Market Sample No. 29

Tobacco Institute Testing Laboratory

Per Cigarette

and

Per Puff Data

December - 1986

PM3000762354

Source: https://www.industrydocuments.ucsf.edu/docs/zfbl0001

Section I

Per Cigarette Data

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Brands		Tar mg/cig	Nicotine mg/cig	CO mg/cig	Water mg/cig	TPM mg/cig	Puff Count
Alpine king size filter menthol soft pack	$\bar{X}$ s CV	17.3±0.3 0.7 4.3	1.06±0.02 0.04 3.6	15.5±0.3 0.6 4.2	3.4±0.1 0.3 9.6	21.7±0.4 1.0 4.5	9.2±0.1 0.2 2.4
Astor king size filter hard pack	$\bar{X}$ s CV	17.2±0.4 1.0 5.8	1.02±0.02 0.05 4.7	17.7±0.5 1.1 6.4	3.4±0.3 0.6 17.3	21.6±0.7 1.6 7.2	8.1±0.1 0.2 2.8
Astor 100's 100 mm filter hard pack	$\bar{X}$ s CV	16.2±0.3 0.7 4.0	1.11±0.03 0.06 5.1	17.1±0.5 1.0 5.9	1.7±0.1 0.2 14.1	19.1±0.4 0.9 4.6	9.2±0.1 0.3 3.2
Astor 100's 100 mm filter menthol hard pack	$\bar{X}$ s CV	16.8±0.2 0.5 2.7	1.12±0.02 0.04 3.5	17.2±0.3 0.6 3.7	1.9±0.1 0.2 10.0	19.8±0.3 0.6 2.9	9.0±0.1 0.2 2.0
Belair king size filter menthol soft pack	$\bar{X}$ s CV	11.2±0.2 0.5 4.4	0.83±0.02 0.04 5.4	10.5±0.2 0.5 5.0	1.3±0.1 0.2 15.9	13.4±0.3 0.7 5.2	7.6±0.1 0.3 3.4
Belair 100's 100 mm filter menthol soft pack	$\bar{X}$ s CV	9.8±0.2 0.6 5.6	0.68±0.02 0.04 5.6	10.1±0.3 0.7 6.8	0.9±0.05 0.1 11.6	11.5±0.3 0.7 5.9	8.9±0.1 0.3 3.4
Benson & Hedges regular size filter hard pack	$\bar{X}$ s CV	0.9±0.1 0.2 23.1	0.10±0.01 0.02 18.2	2.0±0.1 0.3 14.0	0.1±0.02 0.05 40.6	1.2±0.1 0.3 21.7	7.4±0.2 0.4 5.4
Benson & Hedges king size filter hard pack	$\bar{X}$ s CV	15.5±0.3 0.7 4.7	1.13±0.03 0.07 6.1	12.5±0.3 0.6 4.7	1.9±0.1 0.2 11.5	18.5±0.4 0.9 5.0	8.6±0.1 0.3 3.2

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Brands		Tar mg/clg	Nicotine mg/clg	CO mg/clg	Water mg/clg	TPM mg/clg	Puff Count
Benson & Hedges 100's 100 mm filter hard pack	$\bar{X}$	17.2±0.3	1.09±0.02	16.6±0.4	2.2±0.2	20.5±0.5	9.6±0.1
	s	0.7	0.05	0.9	0.4	1.1	0.2
	CV	4.3	4.4	5.3	17.8	5.3	2.5
Benson & Hedges 100's 100 mm filter menthol hard pack	$\bar{X}$	17.0±0.2	1.08±0.02	16.2±0.3	2.1±0.1	20.2±0.3	10.0±0.1
	s	0.5	0.04	0.6	0.3	0.7	0.2
	CV	3.0	3.7	4.0	12.8	3.5	2.5
		16.4	1.22		2.49	20.2±.7	10.4±.2
Benson & Hedges 100's 100 mm filter soft pack	$\bar{X}$	17.7±0.3	1.15±0.02	17.3±0.6	2.1±0.1	21.0±0.4	10.6±0.1
	s	0.7	0.05	1.3	0.3	0.9	0.3
	CV	4.2	4.0	7.3	13.1	4.3	2.5
		16.3	1.15		2.20	17.6±.9	10.3±.3
Benson & Hedges 100's 100 mm filter menthol soft pack	$\bar{X}$	17.2±0.3	1.13±0.02	17.1±0.4	2.0±0.1	20.4±0.4	10.3±0.1
	s	0.6	0.05	0.9	0.3	0.9	0.2
	CV	3.7	4.2	5.4	13.0	4.2	2.4
B&H Deluxe Lights 100's 100 mm filter hard pack	$\bar{X}$	10.5±0.2	0.76±0.02	12.0±0.3	1.1±0.04	12.3±0.2	9.5±0.1
	s	0.4	0.04	0.6	0.1	0.5	0.3
	CV	3.8	5.0	5.1	8.8	4.0	3.0
B&H Deluxe Lights 100's 100 mm filter menthol hard pack	$\bar{X}$	10.6±0.2	0.77±0.02	11.5±0.3	1.1±0.04	12.5±0.2	9.3±0.1
	s	0.5	0.04	0.7	0.1	0.5	0.2
	CV	4.3	4.8	5.8	8.8	4.0	2.4
B&H Deluxe Ultra Lights 100's 100 mm filter hard pack	$\bar{X}$	5.4±0.1	0.44±0.01	6.4_0.2	0.5±0.03	6.3±0.1	9.3±0.2
	s	0.2	0.02	0.4	0.1	0.2	0.5
	CV	3.5	4.6	5.7	11.4	3.1	5.0
B&H Deluxe Ultra Lights 100's 100 mm filter menthol hard pack	$\bar{X}$	5.6±0.2	0.44±0.01	6.5_0.3	0.5±0.03	6.5±0.3	9.3±0.1
	s	0.5	0.03	0.7	0.1	0.6	0.3
	CV	9.4	5.7	10.9	11.5	9.0	3.3

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Brands		Tar mg/cig	Nicotine mg/cig	CO mg/cig	Water mg/cig	TPM mg/cig	Puff Count
Benson & Hedges Lights 100's 100 mm filter soft pack	$\bar{X}$ s CV	11.0±0.2 0.5 4.1	0.78±0.01 0.03 4.3	12.9±0.3 0.7 5.7	1.1±0.03 0.1 7.1	12.9±0.2 0.5 4.0	10.3±0.1 0.3 2.5
Benson & Hedges Lights 100's 100 mm filter menthol soft pack	$\bar{X}$ s CV	10.8±0.2 0.5 4.5	0.76±0.02 0.04 5.5	12.3±0.4 0.8 6.6	1.1±0.03 0.1 7.0	12.6±0.3 0.6 4.6	10.6±0.1 0.3 2.5
Benson & Hedges Multifilter king size filter soft pack	$\bar{X}$ s CV	11.6±0.3 0.7 6.1	0.81±0.02 0.04 5.6	11.3±0.3 0.7 5.9	1.5±0.1 0.2 12.2	13.9±0.4 0.9 6.5	8.4±0.1 0.3 3.5
Benson & Hedges Multifilter king size filter menthol soft pack	$\bar{X}$ s CV	12.5±0.4 0.9 7.0	0.83±0.02 0.04 5.3	11.2±0.5 1.1 9.4	1.7±0.1 0.3 16.5	15.0±0.5 1.2 7.7	8.3±0.2 0.4 4.6
Bright king size filter menthol soft pack	$\bar{X}$ s CV	6.3±0.1 0.3 4.6	0.49±0.01 0.03 6.7	9.0±0.3 0.6 7.0	0.6±0.02 0.05 7.8	7.4±0.2 0.3 4.6	7.3±0.1 0.2 3.2
Bright 100s 100 mm filter menthol soft pack	$\bar{X}$ s CV	6.5±0.2 0.5 6.9	0.52±0.02 0.04 6.8	10.2±0.3 0.7 7.3	0.6±0.03 0.1 10.9	7.7±0.2 0.5 6.8	9.1±0.1 0.2 2.0
Bull Durham king size filter soft pack	$\bar{X}$ s CV	28.9±0.5 1.2 4.1	1.85±0.03 0.07 3.7	24.2±0.5 1.0 4.3	5.9±0.3 0.6 10.4	36.6±0.7 1.5 4.2	10.9±0.1 0.3 2.9
Cambridge king size filter hard pack	$\bar{X}$ s CV	<0.5	<0.02	0.1±0.05 0.1 166.9	<0.5	<0.5	8.5±0.2 0.3 4.0

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Brands		Tar mg/cig	Nicotine mg/cig	CO mg/cig	Water mg/cig	TPM mg/cig	Puff Count
Cambridge king size filter soft pack	$\bar{X}$ s CV	1.1±0.1 0.2 15.0	0.15±0.01 0.02 14.4	1.8±0.1 0.2 13.7	0.1±0.02 0.1 48.4	1.4±0.1 0.2 14.2	8.3±0.2 0.3 4.2
Cambridge 100's 100 mm filter soft pack	$\bar{X}$ s CV	4.8±0.2 0.4 7.5	0.44±0.01 0.03 7.1	7.2±0.2 0.5 6.4	0.4±0.02 0.05 12.8	5.7±0.2 0.4 7.3	9.6±0.2 0.4 4.2
Camel regular size non-filter soft pack	$\bar{X}$ s CV	21.7±0.4 0.9 4.2	1.32±0.03 0.06 4.2	15.9±0.5 1.2 7.5	3.5±0.2 0.5 15.3	26.5±0.6 1.2 4.7	6.6±0.1 0.2 3.4
Camel Filters king size filter hard pack	$\bar{X}$ s CV	16.8±0.3 0.6 3.6	1.05±0.02 0.04 3.4	16.1±0.4 0.9 5.3	3.6±0.2 0.5 15.2	21.5±0.5 1.0 4.8	8.2±0.1 0.1 1.8
Camel Filters king size filter soft pack	$\bar{X}$ s CV	15.7±0.3 0.7 4.5	1.00±0.02 0.05 5.3	15.7±0.4 0.8 5.3	3.1±0.2 0.4 13.9	19.9±0.5 1.1 5.6	8.6±0.1 0.2 2.3
Camel Lights king size filter hard pack	$\bar{X}$ s CV	9.7±0.3 0.6 5.9	0.69±0.02 0.05 7.2	11.0±0.4 0.8 7.3	1.2±0.1 0.2 15.8	11.6±0.3 0.8 6.7	8.5±0.1 0.3 3.9
Camel Lights king size filter soft pack	$\bar{X}$ s CV	8.8±0.2 0.4 4.7	0.63±0.01 0.03 5.1	12.8±0.3 0.8 6.1	1.0±0.04 0.1 10.1	10.4±0.2 0.5 4.9	8.0±0.1 0.3 3.2
Camel Lights 100's 100 mm filter soft pack	$\bar{X}$ s CV	11.3±0.2 0.5 4.5	0.78±0.02 0.04 5.2	12.9±0.4 0.9 6.6	1.2±0.1 0.1 11.7	13.2±0.3 0.7 5.0	10.0±0.1 0.3 2.6

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Brands		Tar mg/clg	Nicotine mg/clg	CO mg/clg	Water mg/clg	TPM mg/clg	Puff Count
Carlton king size filter hard pack	$\bar{X}$	<0.5	<0.02	0.0±0.03	0.0±0.02	<0.5	6.4±0.2
	s			0.1	0.04		0.4
	CV			196.7	689.1		5.9
Carlton king size filter soft pack	$\bar{X}$	1.0±0.04	0.13±0.01	2.0±0.1	0.1±0.02	1.3±0.04	6.7±0.1
	s	0.1	0.01	0.2	0.04	0.1	0.3
	CV	9.7	10.3	7.6	39.4	7.3	4.3
Carlton king size filter menthol soft pack	$\bar{X}$	0.6±0.05	0.10±0.004	1.4±0.1	0.1±0.01	0.8±0.05	6.8±0.1
	s	0.1	0.01	0.1	0.03	0.1	0.3
	CV	16.7	10.5	9.8	44.9	13.6	3.9
Carlton 100's 100 mm filter hard pack	$\bar{X}$	0.8±0.1	0.13±0.01	1.2±0.1	0.1±0.03	1.1±0.1	8.3±0.1
	s	0.2	0.03	0.2	0.1	0.3	0.2
	CV	25.1	24.9	19.2	62.3	23.0	3.0
Carlton 100's 100 mm filter menthol hard pack	$\bar{X}$	0.9±0.1	0.13±0.01	1.2±0.1	0.1±0.02	1.1±0.1	8.1±0.1
	s	0.2	0.02	0.2	0.05	0.2	0.2
	CV	24.0	16.4	15.3	57.6	21.2	2.6
Carlton 100's 100 mm filter soft pack	$\bar{X}$	4.2±0.3	0.39±0.02	5.7±0.4	0.4±0.04	4.9±0.3	8.6±0.2
	s	0.6	0.04	0.9	0.1	0.7	0.5
	CV	14.3	11.0	16.4	25.7	14.0	5.7
Carlton 100's 100 mm filter menthol soft pack	$\bar{X}$	5.1±0.3	0.45±0.02	6.9±0.4	0.4±0.03	5.9±0.3	8.3±0.1
	s	0.6	0.04	0.8	0.1	0.7	0.2
	CV	11.4	9.7	11.6	15.7	11.3	2.9
Carlton 120's 120 mm filter soft pack	$\bar{X}$	6.8±0.2	0.64±0.02	5.9±0.2	0.6±0.04	8.0±0.3	10.4±0.1
	s	0.5	0.04	0.6	0.1	0.6	0.3
	CV	8.0	6.4	9.5	13.0	7.9	3.0

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Brands		Tar mg/cig	Nicotine mg/cig	CO mg/cig	Water mg/cig	TPM mg/cig	Puff Count
Carlton 120's 120 mm filter menthol soft pack	$\bar{X}$ s CV	6.6±0.2 0.5 6.9	0.63±0.02 0.04 5.7	5.6±0.3 0.6 10.6	0.6±0.03 0.1 11.8	7.9±0.2 0.5 6.8	10.4±0.2 0.4 4.0
Carlton Slims 100's 100 mm filter hard pack	$\bar{X}$ s CV	5.7±0.2 0.5 9.1	0.49±0.01 0.03 6.2	6.8±0.3 0.6 9.0	0.5±0.04 0.1 17.0	6.7±0.3 0.6 9.1	8.5±0.1 0.3 3.5
Carlton Slims 100's 100 mm filter menthol hard pack	$\bar{X}$ s CV	5.5±0.1 0.3 5.0	0.50±0.01 0.03 5.8	6.7±0.2 0.4 6.5	0.5±0.02 0.04 7.5	6.5±0.1 0.3 4.7	8.5±0.1 0.3 3.4
Century (25) king size filter soft pack	$\bar{X}$ s CV	15.4±0.2 0.5 3.4	0.98±0.02 0.04 3.8	17.0±0.4 0.9 5.1	2.5±0.1 0.3 12.9	18.8±0.3 0.7 3.7	8.2±0.1 0.2 2.4
Century 100's (25) 100 mm filter soft pack	$\bar{X}$ s CV	17.0±0.2 0.4 2.5	1.14±0.02 0.04 3.5	19.9±0.3 0.7 3.7	2.0±0.1 0.2 10.5	20.2±0.2 0.5 2.5	10.1±0.1 0.3 2.5
Century Lights (25) king size filter soft pack	$\bar{X}$ s CV	9.6±0.2 0.4 4.1	0.69±0.02 0.03 5.0	12.0±0.2 0.5 3.9	1.2±0.1 0.2 14.7	11.5±0.2 0.5 4.6	8.1±0.1 0.3 3.7
Century Lights 100's (25) 100 mm filter soft pack	$\bar{X}$ s CV	11.5±0.2 0.4 3.7	0.83±0.02 0.03 4.1	13.0±0.3 0.6 4.5	1.2±0.04 0.1 6.9	13.5±0.2 0.5 3.7	9.4±0.1 0.2 2.3
Century Lights 100's (25) 100 mm filter menthol soft pack	$\bar{X}$ s CV	11.1±0.2 0.4 3.2	0.78±0.01 0.03 3.3	12.5±0.3 0.6 4.6	1.1±0.03 0.1 6.0	13.1±0.2 0.4 3.1	9.4±0.1 0.2 2.0

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Brands		Tar mg/cig	Nicotine mg/cig	CO mg/cig	Water mg/cig	TPM mg/cig	Puff Count
Chesterfield	$\bar{X}$	20.2±0.6	1.23±0.03	13.3±0.4	3.3±0.1	24.7±0.7	7.1±0.1
regular size	s	1.4	0.07	0.8	0.3	1.5	0.2
non-filter	CV	7.1	5.4	6.0	8.7	6.0	3.1
soft pack							
Chesterfield	$\bar{X}$	23.9±0.3	1.53±0.02	16.0±0.3	3.3±0.2	28.7±0.4	9.3±0.1
king size	s	0.7	0.05	0.8	0.3	1.0	0.3
non-filter	CV	2.9	3.5	4.8	10.4	3.4	3.5
soft pack							
Concord (Open)	$\bar{X}$	6.0±0.4	0.46±0.03	4.9±0.5	0.5±0.1	7.0±0.5	9.6±0.1
king size	s	1.0	0.06	1.1	0.1	1.2	0.3
filter menthol	CV	16.7	13.0	21.5	22.2	16.7	3.2
soft pack							
Concord (Close)	$\bar{X}$	14.7±0.3	0.87±0.02	14.0±0.4	1.9±0.1	17.4±0.4	8.1±0.1
king size	s	0.6	0.04	0.9	0.2	0.8	0.2
filter menthol	CV	4.3	5.1	6.4	11.6	4.7	2.7
soft pack							
Dorado	$\bar{X}$	14.3±0.3	0.90±0.02	14.5±0.3	3.0±0.2	18.2±0.5	7.0±0.1
king size	s	0.7	0.03	0.7	0.5	1.2	0.2
filter	CV	4.6	3.9	4.5	17.8	6.4	2.9
soft pack							
Doral Filter Lights	$\bar{X}$	12.8±0.3	0.73±0.02	15.3±0.4	2.2±0.2	15.8±0.4	6.7±0.1
king size	s	0.6	0.04	0.8	0.4	0.9	0.3
filter	CV	4.7	5.1	5.4	16.9	5.8	4.0
soft pack							
Doral Filter Lights	$\bar{X}$	12.7±0.3	0.71±0.02	15.4±0.5	2.3±0.3	15.8±0.6	6.6±0.2
king size	s	0.8	0.05	1.0	0.6	1.4	0.3
filter menthol	CV	6.0	6.5	6.8	27.2	8.7	5.1
soft pack							
Doral 100's Filter Lights	$\bar{X}$	12.5±0.3	0.81±0.02	14.3±0.3	1.4±0.1	14.7±0.3	8.9±0.1
100 mm	s	0.6	0.04	0.7	0.2	0.7	0.2
filter	CV	4.6	4.9	4.6	11.1	4.8	2.8
soft pack							

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Brands		Tar mg/cig	Nicotine mg/cig	CO mg/cig	Water mg/cig	TPM mg/cig	Puff Count
Doral 100's Filter Lights 100 mm filter menthol soft pack	$\bar{X}$ s CV	12.8±0.2 0.5 4.2	0.80±0.02 0.04 4.5	14.7±0.3 0.6 4.2	1.4±0.1 0.2 13.8	15.0±0.3 0.7 4.8	8.5±0.1 0.2 2.9
Dunhill Deluxe Lights Kings king size filter hard pack	$\bar{X}$ s CV	12.2±0.2 0.5 4.1	0.87±0.02 0.04 4.9	11.6±0.3 0.8 6.5	1.5±0.1 0.2 12.7	14.6±0.3 0.7 4.7	7.8±0.1 0.2 2.5
Dunhill Deluxe Lights 100's 100 mm filter hard pack	$\bar{X}$ s CV	11.8±0.2 0.4 3.5	0.89±0.02 0.05 5.3	11.3±0.2 0.6 5.0	1.2±0.1 0.1 10.8	13.9±0.2 0.6 4.0	9.8±0.1 0.3 2.6
English Ovals regular size non-filter hard pack	$\bar{X}$ s CV	20.2±0.5 1.1 5.3	1.40±0.04 0.09 6.6	12.9±0.3 0.7 5.8	2.9±0.2 0.5 18.0	24.5±0.7 1.5 6.3	7.7±0.1 0.3 4.3
English Ovals king size non-filter hard pack	$\bar{X}$ s CV	23.9±0.5 1.1 4.5	1.71±0.04 0.08 4.8	15.6±0.3 0.8 4.9	2.6±0.1 0.2 9.6	28.3±0.6 1.3 4.6	10.6±0.2 0.4 3.8
Eve Slim Lights 100's 100 mm filter hard pack	$\bar{X}$ s CV	12.7±0.2 0.5 3.7	0.95±0.03 0.06 6.4	11.0±0.2 0.5 4.5	2.3±0.1 0.3 11.9	16.0±0.3 0.7 4.7	8.1±0.1 0.3 3.5
Eve Slim Lights 100's 100 mm filter menthol hard pack	$\bar{X}$ s CV	12.6±0.3 0.7 5.4	0.92±0.02 0.05 5.9	11.0±0.3 0.7 6.2	2.4±0.2 0.5 22.5	15.9±0.5 1.2 7.3	7.9±0.1 0.2 2.9
Eve Lights 120's 120 mm filter hard pack	$\bar{X}$ s CV	13.2±0.3 0.7 5.3	1.04±0.02 0.05 5.1	12.2±0.4 0.8 6.5	1.2±0.1 0.1 10.7	15.4±0.4 0.8 5.5	13.7±0.2 0.4 2.9

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Brands		Tar mg/clg	Nicotine mg/clg	CO mg/clg	Water mg/clg	TPM mg/clg	Puff Count
Eve Lights 120's 120 mm filter menthol hard pack	$\bar{X}$ s CV	13.3±0.4 0.9 7.0	1.05±0.03 0.07 7.0	12.3±0.4 1.0 7.8	1.2±0.1 0.1 10.6	15.5±0.5 1.1 7.2	14.0±0.2 0.5 3.3
Fiesta king size filter soft pack	$\bar{X}$ s CV	17.2±0.3 0.7 3.9	0.75±0.02 0.04 5.0	20.5±0.3 0.8 3.8	3.5±0.2 0.4 11.2	21.5±0.4 0.9 4.3	7.8±0.1 0.2 2.4
Galaxy king size filter soft pack	$\bar{X}$ s CV	14.5±0.2 0.5 3.5	0.98±0.02 0.05 4.6	15.3±0.4 0.9 5.9	2.0±0.1 0.2 10.6	17.6±0.3 0.7 3.8	7.9±0.1 0.2 2.6
Half & Half king size filter soft pack	$\bar{X}$ s CV	18.2±0.4 0.9 4.9	1.28±0.03 0.07 5.8	16.6±0.4 0.9 5.5	3.6±0.2 0.5 14.2	23.1±0.6 1.3 5.8	10.0±0.2 0.4 4.2
Herbert Tareyton king size non-filter soft pack	$\bar{X}$ s CV	26.4±0.7 1.6 6.2	1.67±0.04 0.08 5.0	18.1±0.5 1.2 6.8	3.8±0.2 0.5 12.9	31.8±0.9 2.1 6.6	9.3±0.2 0.4 3.9
Iceberg 100's 100 mm filter menthol soft pack	$\bar{X}$ s CV	4.2±0.2 0.4 9.1	0.37±0.01 0.03 9.0	6.2±0.3 0.6 9.4	0.4±0.03 0.1 17.2	4.9±0.2 0.5 9.1	8.0±0.1 0.2 2.8
Kent Micronite II king size filter hard pack	$\bar{X}$ s CV	11.9±0.3 0.6 4.9	0.86±0.02 0.04 4.3	12.4±0.3 0.8 6.2	1.9±0.1 0.3 17.6	14.6±0.4 0.9 6.1	7.7±0.2 0.5 6.3
Kent Micronite II king size filter soft pack	$\bar{X}$ s CV	13.0±0.3 0.6 4.8	0.94±0.02 0.04 4.6	13.4±0.4 0.9 6.4	2.0±0.1 0.3 15.4	16.0±0.4 0.9 5.8	8.4±0.1 0.2 2.4

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Brands		Tar mg/cig	Nicotine mg/cig	CO mg/cig	Water mg/cig	TPM mg/cig	Puff Count
Kent Micronite II 100s	$\bar{X}$	14.1±0.4	1.08±0.03	13.2±0.5	1.6±0.1	16.8±0.6	9.7±0.2
100 mm	s	1.0	0.06	1.0	0.2	1.2	0.4
filter	CV	6.9	5.4	7.9	14.1	7.4	3.7
soft pack							
Kent Micronite II 100s	$\bar{X}$	15.9±0.4	1.25±0.02	15.1±0.4	2.0±0.1	19.2±0.5	9.4±0.1
100 mm	s	0.8	0.05	0.9	0.2	1.0	0.3
filter menthol	CV	5.1	4.2	5.8	10.5	5.3	3.1
soft pack							
Kent Golden Lights	$\bar{X}$	9.8±0.3	0.77±0.02	11.4±0.3	1.4±0.1	12.0±0.4	6.6±0.1
king size	s	0.6	0.04	0.7	0.2	0.9	0.3
filter	CV	6.3	5.3	6.5	18.1	7.2	4.9
hard pack							
Kent Golden Lights	$\bar{X}$	8.9±0.2	0.74±0.02	10.3±0.4	1.0±0.1	10.6±0.3	7.1±0.1
king size	s	0.5	0.03	1.0	0.2	0.7	0.3
filter	CV	5.7	4.6	9.3	16.9	6.5	4.0
soft pack							
Kent Golden Lights	$\bar{X}$	8.1±0.3	0.70±0.03	9.0±0.4	0.8±0.1	9.7±0.4	7.2±0.1
king size	s	0.6	0.06	0.9	0.1	0.8	0.3
filter menthol	CV	7.9	8.0	10.1	14.5	8.3	4.4
soft pack							
Kent Golden Lights 100s	$\bar{X}$	10.0±0.4	0.85±0.03	11.4±0.6	1.0±0.1	11.9±0.5	8.9±0.1
100 mm	s	0.9	0.06	1.3	0.2	1.1	0.3
filter	CV	8.5	7.6	11.2	15.0	8.9	3.1
hard pack							
Kent Golden Lights 100s	$\bar{X}$	9.6±0.2	0.82±0.02	10.5±0.3	0.9±0.04	11.3±0.3	9.0±0.1
100 mm	s	0.5	0.04	0.8	0.1	0.6	0.2
filter	CV	5.6	5.0	7.3	9.8	5.6	2.8
soft pack							
Kent Golden Lights 100s	$\bar{X}$	8.8±0.3	0.76±0.02	9.7±0.5	0.9±0.1	10.4±0.4	9.1±0.2
100 mm	s	0.8	0.05	1.2	0.1	0.9	0.4
filter menthol	CV	8.7	6.0	12.6	13.7	8.8	4.5
soft pack							

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Source: https://www.industrydocuments.ucsf.edu/docs/zfbl0001

Brands		Tar mg/cig	Nicotine mg/cig	CO mg/cig	Water mg/cig	TPM mg/cig	Puff Count
Kent III king size filter soft pack	$\bar{X}$ s CV	3.2±0.2 0.4 12.6	0.37±0.02 0.03 9.5	4.1±0.2 0.5 13.3	0.3±0.03 0.1 24.6	3.8±0.2 0.5 12.2	7.2±0.1 0.3 4.4
Kent III 100s 100 mm filter hard pack	$\bar{X}$ s CV	4.9±0.2 0.4 7.6	0.52±0.02 0.04 8.0	6.9±0.3 0.7 9.9	0.4±0.02 0.04 9.7	5.8±0.2 0.4 7.5	8.5±0.1 0.2 2.8
Kent III 100s 100 mm filter soft pack	$\bar{X}$ s CV	4.2±0.2 0.4 10.7	0.46±0.02 0.04 9.7	5.7±0.3 0.7 11.7	0.3±0.03 0.1 20.2	4.9±0.2 0.5 10.6	8.6±0.2 0.4 4.1
Kool regular size non-filter menthol soft pack	$\bar{X}$ s CV	22.4±1.2 2.7 12.1	1.23±0.04 0.09 7.5	15.2±0.4 1.0 6.3	3.5±0.3 0.6 17.6	27.1±1.4 3.2 11.7	6.6±0.1 0.3 4.2
Kool king size filter menthol hard pack	$\bar{X}$ s CV	16.8±0.4 0.8 5.0	1.09±0.03 0.06 5.4	17.6±0.4 0.8 4.6	4.3±0.3 0.7 15.8	22.2±0.6 1.4 6.3	7.4±0.1 0.2 3.2
Kool king size filter menthol soft pack	$\bar{X}$ s CV	18.0±0.4 0.9 5.3	1.18±0.03 0.07 5.6	18.3±0.5 1.0 5.5	4.2±0.3 0.6 15.1	23.4±0.7 1.5 6.4	7.5±0.1 0.3 3.6
Kool (25) king size filter menthol soft pack	$\bar{X}$ s CV	18.0±0.3 0.7 4.0	1.16±0.03 0.06 5.0	18.4±0.5 1.1 6.2	4.3±0.3 0.7 15.4	23.4±0.6 1.3 5.6	7.5±0.1 0.2 2.4
Kool Lights king size filter menthol soft pack	$\bar{X}$ s CV	10.3±0.3 0.7 6.5	0.77±0.02 0.04 5.3	10.9±0.2 0.5 4.7	1.3±0.1 0.2 16.3	12.4±0.4 0.9 6.9	7.8±0.1 0.2 3.2

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Brands		Tar mg/cig	Nicotine mg/cig	CO mg/cig	Water mg/cig	TPM mg/cig	Puff Count
Kool Lights 100's 100 mm filter menthol soft pack	$\bar{X}$ s CV	10.5±0.3 0.7 6.5	0.81±0.02 0.04 5.3	10.1±0.4 0.9 8.9	1.0±0.05 0.1 10.8	12.4±0.4 0.8 6.6	9.2±0.2 0.3 3.7
Kool Milds king size filter menthol soft pack	$\bar{X}$ s CV	12.0±0.3 0.6 5.3	0.85±0.02 0.05 5.6	13.4±0.3 0.6 4.4	1.6±0.1 0.1 7.2	14.4±0.3 0.8 5.3	7.1±0.1 0.2 2.9
Kool Milds (25) king size filter menthol soft pack	$\bar{X}$ s CV	11.7±0.3 0.6 4.9	0.81±0.02 0.04 4.7	13.5±0.3 0.7 5.1	1.5±0.1 0.2 16.0	14.0±0.3 0.8 5.5	7.0±0.1 0.1 1.9
Kool Milds 100's 100 mm filter menthol soft pack	$\bar{X}$ s CV	12.1±0.2 0.4 3.3	0.87±0.02 0.04 4.3	13.8±0.4 0.8 5.7	1.2±0.1 0.1 10.0	14.2±0.2 0.5 3.7	8.8±0.1 0.3 3.5
Kool Super Longs 100's 100 mm filter menthol soft pack	$\bar{X}$ s CV	17.1±0.3 0.6 3.6	1.20±0.03 0.06 4.7	18.1±0.4 1.0 5.4	2.7±0.2 0.4 16.0	21.0±0.4 1.0 4.6	8.7±0.1 0.2 2.9
Kool Ultra king size filter menthol soft pack	$\bar{X}$ s CV	2.1±0.2 0.5 25.7	0.21±0.02 0.04 20.5	2.2±0.2 0.4 20.2	0.2±0.02 0.04 23.4	2.5±0.3 0.6 24.6	8.3±0.1 0.2 2.7
Kool Ultra 100's 100 mm filter menthol soft pack	$\bar{X}$ s CV	4.9±0.2 0.5 9.6	0.42±0.02 0.04 10.3	5.1±0.2 0.5 9.6	0.4±0.03 0.1 13.8	5.7±0.2 0.5 9.4	9.4±0.2 0.4 3.9
L & M king size filter hard pack	$\bar{X}$ s CV	13.7±0.4 0.8 6.1	0.91±0.02 0.05 5.8	14.0±0.4 0.9 6.6	3.1±0.3 0.6 19.1	17.7±0.6 1.3 7.4	6.7±0.1 0.2 3.7

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Brands		Tar mg/cig	Nicotine mg/cig	CO mg/cig	Water mg/cig	TPM mg/cig	Puff Count
L & M	$\bar{X}$	13.3±0.4	0.91±0.02	13.7±0.3	2.7±0.3	17.0±0.6	6.9±0.2
king size	s	0.8	0.05	0.7	0.6	1.4	0.4
filter	CV	6.0	6.0	5.4	23.4	8.5	6.3
soft pack							
L & M Lights	$\bar{X}$	10.5±0.3	0.87±0.02	9.9±0.3	1.1±0.1	12.5±0.3	7.8±0.1
king size	s	0.6	0.05	0.7	0.2	0.8	0.3
filter	CV	5.7	5.2	7.5	14.0	6.2	3.3
soft pack							
L & M Long Lights	$\bar{X}$	8.0±0.2	0.75±0.02	7.0±0.2	0.7±0.02	9.4±0.2	9.1±0.2
100 mm	s	0.5	0.06	0.5	0.05	0.5	0.4
filter	CV	5.8	7.4	6.8	7.2	5.8	4.2
soft pack							
L & M Super Kings	$\bar{X}$	13.3±0.2	0.97±0.02	14.3±0.4	1.9±0.1	16.2±0.3	7.8±0.1
100 mm	s	0.5	0.05	0.9	0.2	0.7	0.2
filter	CV	3.9	4.7	6.2	9.8	4.3	2.9
soft pack							
Lark	$\bar{X}$	13.5±0.3	0.91±0.02	14.2±0.4	2.9±0.3	17.3±0.6	6.6±0.1
king size	s	0.7	0.04	1.0	0.6	1.3	0.2
filter	CV	5.3	4.7	7.1	19.4	7.2	3.6
soft pack							
Lark	$\bar{X}$	14.7±0.3	1.01±0.02	16.2±0.4	2.6±0.1	18.4±0.4	7.7±0.1
100 mm	s	0.6	0.05	0.9	0.3	0.8	0.3
filter	CV	3.9	4.5	5.4	10.7	4.5	3.6
soft pack							
Lark Lights	$\bar{X}$	13.3±0.1	0.96±0.02	13.8±0.2	3.0±0.2	17.3±0.3	6.8±0.1
king size	s	0.3	0.04	0.5	0.3	0.6	0.3
filter	CV	2.5	3.9	3.5	11.6	3.7	4.0
soft pack							
Lark Lights 100's	$\bar{X}$	14.2±0.2	1.08±0.02	14.9±0.4	2.4±0.1	17.7±0.3	8.2±0.1
100 mm	s	0.4	0.05	0.8	0.3	0.7	0.2
filter	CV	3.1	5.0	5.7	11.2	3.7	2.7
soft pack							

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Brands		Tar mg/cig	Nicotine mg/cig	CO mg/cig	Water mg/cig	TPM mg/cig	Puff Count
Lucky Strike regular size non-filter soft pack	$\bar{X}$ s CV	25.4±0.6 1.4 5.5	1.46±0.03 0.06 4.4	18.0±0.4 0.9 5.1	4.4±0.2 0.5 10.9	31.2±0.8 1.7 5.4	7.8±0.1 0.3 4.3
Lucky Strike king size filter hard pack	$\bar{X}$ s CV	11.9±0.2 0.5 4.1	0.87±0.02 0.04 4.9	12.6±0.3 0.6 4.7	1.5±0.1 0.2 12.9	14.3±0.3 0.7 4.6	7.8±0.1 0.2 3.0
Lucky Strike king size filter soft pack	$\bar{X}$ s CV	11.5±0.3 0.6 5.6	0.83±0.02 0.05 6.1	12.6±0.3 0.7 5.8	1.4±0.1 0.2 13.9	13.7±0.4 0.9 6.2	7.9±0.1 0.3 3.7
Lucky Strike Filters 100's 100 mm filter soft pack	$\bar{X}$ s CV	12.2±0.3 0.6 5.2	0.95±0.02 0.05 5.2	13.3±0.4 0.8 6.0	1.2±0.05 0.1 9.1	14.3±0.3 0.8 5.4	10.3±0.1 0.2 2.3
Lucky Strike Menthol 100's 100 mm filter menthol soft pack	$\bar{X}$ s CV	11.1±0.3 0.6 5.1	0.86±0.02 0.04 4.8	11.9±0.3 0.7 6.2	1.1±0.1 0.1 10.8	13.1±0.3 0.7 5.3	9.6±0.1 0.3 3.1
Lucky Strike Lights king size filter soft pack	$\bar{X}$ s CV	7.8±0.3 0.6 7.7	0.60±0.02 0.04 7.2	9.8±0.4 0.9 9.1	0.8±0.1 0.1 14.7	9.3±0.3 0.7 8.1	7.4±0.1 0.3 3.7
Lucky Strike Lights 100's 100 mm filter soft pack	$\bar{X}$ s CV	8.7±0.3 0.6 6.5	0.70±0.02 0.05 6.5	10.0±0.3 0.6 6.1	0.8±0.03 0.1 7.5	10.2±0.3 0.6 6.3	9.6±0.1 0.2 2.1
Marlboro king size filter hard pack	$\bar{X}$ s CV	17.0±0.3 0.7 4.0	1.04±0.02 0.05 4.9	15.4±0.3 0.7 4.8	3.6±0.2 0.4 10.8	21.7±0.5 1.0 4.7	8.5±0.1 0.2 2.8

PM3000762369

Source: https://www.industrydocuments.ucsf.edu/docs/zfbl0001

Brands		Tar mg/cig	Nicotine mg/cig	CO mg/cig	Water mg/cig	TPM mg/cig	Puff Count
Marlboro king size filter soft pack	$\bar{X}$	17.1±0.3	1.05±0.02	15.5±0.4	3.0±0.2	21.1±0.5	9.2±0.1
	s	0.7	0.05	0.8	0.5	1.2	0.3
	CV	4.2	4.5	5.3	17.4	5.7	3.2
Marlboro 25's king size filter soft pack	$\bar{X}$	17.1±0.3	1.08±0.02	15.4±0.3	3.1±0.2	21.2±0.5	9.1±0.1
	s	0.7	0.04	0.6	0.5	1.1	0.3
	CV	4.1	3.7	3.7	15.8	5.3	2.9
		16.4	1.11		3.35	20.9	9.4
Marlboro king size filter menthol soft pack	$\bar{X}$	16.9±0.3	1.05±0.01	14.8±0.3	3.1±0.2	21.0±0.4	9.1±0.1
	s	0.6	0.03	0.6	0.4	0.9	0.2
	CV	3.6	2.6	4.3	11.8	4.4	2.3
Marlboro 100's 100 mm filter hard pack	$\bar{X}$	17.2±0.3	1.12±0.02	16.6±0.5	2.1±0.1	20.4±0.4	9.9±0.1
	s	0.7	0.04	1.0	0.3	0.9	0.3
	CV	3.8	3.3	6.3	12.9	4.3	3.4
		15.8	1.14		2.32	19.3	10.2
Marlboro 100's 100 mm filter soft pack	$\bar{X}$	17.5±0.4	1.11±0.03	16.3±0.4	2.1±0.2	20.7±0.5	10.5±0.2
	s	0.9	0.06	0.8	0.3	1.1	0.4
	CV	4.9	5.4	4.9	15.9	5.6	3.4
Marlboro Lights king size filter hard pack	$\bar{X}$	11.0±0.2	0.75±0.02	11.8±0.3	1.3±0.1	13.1±0.2	8.3±0.1
	s	0.4	0.04	0.6	0.1	0.5	0.2
	CV	3.7	6.0	5.3	9.6	3.9	2.9
Marlboro Lights king size filter soft pack	$\bar{X}$	11.2±0.3	0.77±0.02	12.0±0.2	1.4±0.1	13.3±0.3	8.5±0.1
	s	0.6	0.03	0.6	0.2	0.7	0.3
	CV	5.1	4.6	4.6	13.2	5.5	3.4
Marlboro Lights 25's king size filter soft pack	$\bar{X}$	11.5±0.3	0.79±0.02	12.1±0.2	1.4±0.1	13.7±0.3	8.3±0.1
	s	0.6	0.04	0.5	0.1	0.8	0.2
	CV	5.3	5.6	4.5	10.5	5.6	2.3

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Source: https://www.industrydocuments.ucsf.edu/docs/zfbl0001

Brands		Tar mg/clg	Nicotine mg/clg	CO mg/clg	Water mg/clg	TPM mg/clg	Puff Count
Marlboro Lights 100's	$\bar{X}$	10.9±0.2	0.77±0.02	12.6±0.3	1.1±0.05	12.8±0.2	10.2±0.1
100 mm	s	0.4	0.04	0.6	0.1	0.5	0.3
filter	CV	4.0	5.0	4.6	9.2	4.1	2.8
soft pack							
Max 120s	$\bar{X}$	18.6±0.5	1.51±0.03	18.1±0.5	2.7±0.2	22.8±0.7	10.8±0.1
120 mm	s	1.1	0.07	1.1	0.4	1.5	0.3
filter	CV	5.8	4.7	6.2	16.3	6.5	3.1
soft pack							
Max 120s	$\bar{X}$	18.2±0.3	1.45±0.03	17.7±0.4	2.6±0.1	22.3±0.4	10.9±0.1
120 mm	s	0.7	0.06	1.0	0.2	0.8	0.3
filter menthol	CV	3.9	4.0	5.6	8.7	3.6	2.4
soft pack							
Merit	$\bar{X}$	8.3±0.2	0.58±0.01	10.3±0.3	0.9±0.04	9.8±0.2	8.1±0.1
king size	s	0.4	0.03	0.6	0.1	0.5	0.2
filter	CV	4.5	5.6	6.2	10.6	4.8	3.0
hard pack							
Merit	$\bar{X}$	8.3±0.1	0.59±0.01	10.3±0.2	0.9±0.05	9.8±0.2	8.3±0.1
king size	s	0.3	0.03	0.5	0.1	0.4	0.2
filter	CV	3.9	4.6	4.4	11.0	4.4	2.0
soft pack							
Merit	$\bar{X}$	8.1±0.2	0.58±0.02	10.2±0.2	0.9±0.1	9.6±0.2	8.3±0.1
king size	s	0.4	0.04	0.5	0.1	0.5	0.3
filter menthol	CV	4.5	6.3	5.0	12.5	4.7	3.8
soft pack							
		9.8	0.78		1.23	11.8	9.5
Merit 100's	$\bar{X}$	10.1±0.2	0.71±0.01	12.3±0.4	1.1±0.04	11.9±0.2	9.7±0.1
100 mm	s	0.4	0.03	0.9	0.1	0.5	0.3
filter	CV	4.1	4.7	7.4	8.5	4.3	3.4
soft pack							
Merit 100's	$\bar{X}$	10.0±0.2	0.71±0.01	11.8±0.3	1.1±0.03	11.7±0.2	9.8±0.1
100 mm	s	0.4	0.03	0.6	0.1	0.5	0.3
filter menthol	CV	4.3	3.8	5.3	6.6	4.3	3.2
soft pack							

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Source: https://www.industrydocuments.ucsf.edu/docs/zfbl0001

Brands		Tar mg/cig	Nicotine mg/cig	CO mg/cig	Water mg/cig	TPM mg/cig	Puff Count
Merit Ultra Lights king size filter soft pack	$\bar{X}$	5.3±0.2	0.43±0.01	6.9±0.3	0.5±0.03	6.3±0.2	8.0±0.1
	s	0.5	0.03	0.6	0.1	0.5	0.3
	CV	8.7	7.3	8.5	15.8	8.6	3.8
Merit Ultra Lights king size filter menthol soft pack	$\bar{X}$	4.4±0.1	0.38±0.01	5.5±0.2	0.4±0.02	5.2±0.2	8.5±0.1
	s	0.3	0.03	0.4	0.1	0.4	0.3
	CV	7.1	7.9	7.6	13.4	7.0	3.3
Merit Ultra Lights 100's 100 mm filter soft pack	$\bar{X}$	5.8±0.2	0.48±0.02	7.9±0.3	0.5±0.02	6.8±0.2	9.9±0.1
	s	0.5	0.04	0.6	0.1	0.5	0.3
	CV	8.2	8.2	7.9	10.6	8.0	2.6
Merit Ultra Lights 100's 100 mm filter menthol soft pack	$\bar{X}$	5.1±0.2	0.42±0.01	6.7±0.2	0.4±0.03	5.9±0.2	10.3±0.1
	s	0.3	0.02	0.4	0.1	0.4	0.2
	CV	6.7	5.9	5.9	15.7	6.4	2.3
Montclair king size filter menthol soft pack	$\bar{X}$	15.7±0.4	1.01±0.03	16.1±0.4	3.9±0.2	20.6±0.6	7.6±0.2
	s	0.8	0.07	1.0	0.5	1.2	0.4
	CV	5.3	6.7	5.9	12.0	6.0	5.3
More 120s 120 mm filter soft pack	$\bar{X}$	16.6±0.3	1.13±0.02	20.3±0.6	1.6±0.1	19.3±0.4	12.5±0.2
	s	0.8	0.05	1.3	0.2	0.9	0.4
	CV	4.7	4.0	6.6	12.4	4.7	3.1
More 120s 120 mm filter menthol soft pack	$\bar{X}$	16.5±0.3	1.19±0.02	20.4±0.5	1.6±0.1	19.3±0.3	12.6±0.1
	s	0.7	0.05	1.0	0.1	0.7	0.3
	CV	4.1	4.3	5.1	8.4	3.7	2.6
More Lights 100s 100 mm filter hard pack	$\bar{X}$	9.6±0.2	0.77±0.02	9.9±0.3	1.1±0.04	11.4±0.3	9.9±0.2
	s	0.5	0.04	0.6	0.1	0.6	0.3
	CV	4.8	4.9	6.2	8.9	5.0	3.5

PM3000762372

Source: https://www.industrydocuments.ucsf.edu/docs/zfbl0001

Brands		Tar mg/cig	Nicotine mg/cig	CO mg/cig	Water mg/cig	TPM mg/cig	Puff Count
More Lights 100s 100 mm filter menthol hard pack	$\bar{X}$ s CV	9.4±0.2 0.5 5.1	0.72±0.02 0.04 5.1	10.1±0.3 0.6 5.8	0.9±0.05 0.1 11.6	11.0±0.2 0.5 4.9	9.5±0.1 0.3 2.6
Newport king size filter menthol hard pack	$\bar{X}$ s CV	16.2±0.3 0.6 3.5	1.15±0.02 0.05 4.4	17.4±0.4 1.0 5.6	4.0±0.2 0.5 12.5	21.3±0.5 1.0 4.8	7.4±0.1 0.2 3.0
Newport king size filter menthol soft pack	$\bar{X}$ s CV	17.4±0.3 0.8 4.5	1.24±0.03 0.06 4.6	18.6±0.4 0.9 5.0	4.3±0.3 0.8 17.5	23.0±0.7 1.5 6.6	8.0±0.1 0.2 1.9
Newport (25) king size filter menthol soft pack	$\bar{X}$ s CV	17.4±0.4 0.9 5.1	1.24±0.02 0.05 4.4	18.5±0.5 1.2 6.5	4.2±0.3 0.6 15.0	22.9±0.7 1.5 6.6	8.0±0.1 0.2 2.8
Newport 100's 100 mm filter menthol hard pack	$\bar{X}$ s CV	20.5±0.4 0.8 4.1	1.51±0.02 0.06 3.6	20.1±0.4 0.9 4.2	3.5±0.2 0.4 10.3	25.5±0.5 1.1 4.1	9.2±0.2 0.3 3.7
Newport 100's 100 mm filter menthol soft pack	$\bar{X}$ s CV	20.6±0.3 0.7 3.3	1.48±0.02 0.05 3.6	21.0±0.3 0.8 3.6	3.5±0.1 0.3 8.4	25.5±0.4 0.8 3.3	9.2±0.1 0.2 2.3
Newport 100's (25) 100 mm filter menthol soft pack	$\bar{X}$ s CV	21.1±0.5 1.1 5.2	1.54±0.03 0.08 5.0	20.6±0.6 1.3 6.4	3.7±0.2 0.5 13.5	26.3±0.7 1.5 5.7	9.4±0.1 0.3 3.1
Newport Lights king size filter menthol hard pack	$\bar{X}$ s CV	9.5±0.3 0.7 7.4	0.76±0.02 0.05 6.9	11.0±0.4 0.8 7.4	1.3±0.1 0.2 18.2	11.5±0.4 1.0 8.3	6.8±0.2 0.3 5.2

PM3000762373

Source: https://www.industrydocuments.ucsf.edu/docs/zfbl0001

Brands		Tar mg/cig	Nicotine mg/cig	CO mg/cig	Water mg/cig	TPM mg/cig	Puff Count
Newport Lights king size filter menthol soft pack	$\bar{X}$ s CV	9.0±0.3 0.7 8.0	0.75±0.03 0.06 7.5	10.6±0.4 1.0 9.1	1.0±0.1 0.2 17.7	10.7±0.4 0.9 8.5	7.1±0.1 0.2 2.6
Newport Lights 100's 100 mm filter menthol hard pack	$\bar{X}$ s CV	9.8±0.3 0.6 6.5	0.83±0.02 0.05 6.1	11.2±0.5 1.0 9.3	1.0±0.1 0.1 12.4	11.6±0.4 0.8 6.7	8.8±0.2 0.3 3.8
Newport Lights 100's 100 mm filter menthol soft pack	$\bar{X}$ s CV	9.2±0.2 0.4 3.9	0.80±0.02 0.04 4.7	10.2±0.3 0.6 6.3	0.9±0.03 0.1 6.7	10.9±0.2 0.4 4.0	9.0±0.1 0.3 3.7
Now king size filter hard pack	$\bar{X}$ s CV	<0.5	<0.02	0.1±0.03 0.1 86.9	<0.5	<0.5	7.3±0.1 0.3 4.0
Now king size filter soft pack	$\bar{X}$ s CV	1.2±0.1 0.3 21.3	0.15±0.01 0.02 13.8	2.6±0.1 0.3 10.4	0.1±0.02 0.05 56.9	1.5±0.1 0.3 19.6	7.4±0.1 0.3 4.2
Now king size filter menthol soft pack	$\bar{X}$ s CV	1.1±0.1 0.1 11.2	0.13±0.01 0.02 12.5	2.4±0.1 0.3 11.8	0.1±0.02 0.05 41.4	1.3±0.1 0.1 9.7	7.1±0.2 0.4 5.4
Now 100s 100 mm filter hard pack	$\bar{X}$ s CV	<0.5	<0.02	0.1±0.03 0.1 59.2	0.0±0.02 0.05 422.2	<0.5	7.1±0.1 0.3 3.9
Now 100s 100 mm filter soft pack	$\bar{X}$ s CV	3.0±0.1 0.3 9.4	0.30±0.01 0.03 9.4	4.9±0.2 0.5 9.2	0.2±0.03 0.1 24.3	3.5±0.1 0.3 9.1	8.4±0.1 0.2 2.7

PM3000762374

Source: https://www.industrydocuments.ucsf.edu/docs/zfbl0001

Brands		Tar mg/cig	Nicotine mg/cig	CO mg/cig	Water mg/cig	TPM mg/cig	Puff Count
Now 100s 100 mm filter menthol soft pack	$\bar{X}$ s CV	2.9±0.1 0.2 8.3	0.26±0.01 0.02 9.2	4.7±0.2 0.4 8.8	0.2±0.02 0.04 18.3	3.3±0.1 0.3 8.4	8.0±0.1 0.2 2.8
Old Gold Straights king size non-filter soft pack	$\bar{X}$ s CV	25.8±0.4 1.0 3.7	1.58±0.03 0.07 4.2	18.3±0.3 0.8 4.1	4.1±0.2 0.4 10.5	31.5±0.6 1.3 4.0	8.8±0.1 0.2 2.6
Old Gold Filters king size filter soft pack	$\bar{X}$ s CV	17.2±0.3 0.8 4.5	1.21±0.03 0.06 4.8	18.5±0.4 0.8 4.3	3.8±0.2 0.5 12.0	22.2±0.5 1.1 5.1	7.9±0.1 0.2 2.8
Old Gold Filter 100's 100 mm filter soft pack	$\bar{X}$ s CV	20.4±0.3 0.8 3.8	1.48±0.02 0.05 3.1	19.9±0.4 1.0 5.0	3.5±0.2 0.4 11.4	25.3±0.5 1.0 4.1	9.1±0.1 0.3 2.8
Old Gold Lights king size filter soft pack	$\bar{X}$ s CV	8.9±0.3 0.6 6.6	0.80±0.02 0.05 6.5	10.2±0.4 0.9 8.3	1.0±0.1 0.1 14.1	10.7±0.3 0.8 7.1	7.0±0.1 0.3 3.6
Old Gold Lights 100s 100 mm filter soft pack	$\bar{X}$ s CV	13.0±0.3 0.6 4.4	0.97±0.02 0.05 4.7	18.0±0.4 0.9 4.8	1.7±0.1 0.2 12.9	15.7±0.3 0.8 4.8	8.9±0.1 0.3 3.0
Pall Mall king size non-filter soft pack	$\bar{X}$ s CV	24.6±0.5 1.1 4.5	1.49±0.03 0.07 4.5	17.7±0.4 0.8 4.7	3.4±0.2 0.4 12.4	29.5±0.7 1.5 5.0	9.4±0.1 0.3 3.3
Pall Mall king size filter soft pack	$\bar{X}$ s CV	16.9±0.3 0.7 3.9	1.09±0.03 0.06 5.2	17.0±0.3 0.7 4.3	3.9±0.3 0.6 15.2	21.9±0.6 1.2 5.6	8.4±0.1 0.2 2.9

PM3000762375

Source: https://www.industrydocuments.ucsf.edu/docs/zfbl0001

Brands		Tar mg/cig	Nicotine mg/cig	CO mg/cig	Water mg/cig	TPM mg/cig	Puff Count
Pall Mall 100's	$\bar{X}$	16.5±0.3	1.16±0.03	17.0±0.4	2.4±0.1	20.0±0.4	9.0±0.1
100 mm	s	0.7	0.06	1.0	0.3	0.9	0.2
filter	CV	4.1	5.1	5.7	12.7	4.7	2.6
soft pack							
Pall Mall Extra Light	$\bar{X}$	7.0±0.2	0.62±0.02	7.3±0.2	0.7±0.1	8.3±0.3	8.5±0.1
king size	s	0.5	0.04	0.6	0.1	0.6	0.2
filter	CV	7.1	5.8	7.6	18.7	7.7	2.6
soft pack							
Pall Mall Light 100's	$\bar{X}$	10.5±0.3	0.80±0.02	12.4±0.4	1.0±0.05	12.3±0.3	9.1±0.1
100 mm	s	0.6	0.05	1.0	0.1	0.7	0.3
filter	CV	5.8	6.7	8.1	10.5	5.9	3.4
soft pack							
Pall Mall Light 100's	$\bar{X}$	13.8±0.3	1.04±0.02	13.8±0.4	2.1±0.1	16.9±0.5	8.3±0.1
100 mm	s	0.7	0.05	0.9	0.3	1.0	0.2
filter menthol	CV	5.4	4.8	6.4	13.5	6.0	1.9
soft pack							
Parliament Lights	$\bar{X}$	8.6±0.3	0.61±0.02	9.4±0.3	1.0±0.1	10.1±0.4	7.3±0.1
king size	s	0.6	0.04	0.7	0.1	0.8	0.3
filter	CV	7.6	6.6	7.0	14.4	8.0	3.7
hard pack							
Parliament Lights	$\bar{X}$	9.8±0.3	0.70±0.02	10.8±0.3	1.1±0.1	11.6±0.3	8.2±0.1
king size	s	0.6	0.04	0.7	0.1	0.8	0.3
filter	CV	6.0	6.1	6.3	12.4	6.5	3.1
soft pack							
Parliament Lights 100's	$\bar{X}$	11.8±0.2	0.85±0.02	12.8±0.3	1.3±0.05	14.0±0.3	9.4±0.1
100 mm	s	0.5	0.04	0.6	0.1	0.6	0.3
filter	CV	4.1	4.8	4.5	8.5	4.3	2.7
soft pack							
Philip Morris	$\bar{X}$	23.6±0.4	1.35±0.03	14.4±0.3	4.3±0.2	29.3±0.6	7.6±0.1
regular size	s	0.9	0.06	0.8	0.5	1.3	0.3
non-filter	CV	3.7	4.7	5.2	11.4	4.4	4.1
soft pack							

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Source: https://www.industrydocuments.ucsf.edu/docs/zfbl0001

Brands		Tar mg/clg	Nicotine mg/clg	CO mg/clg	Water mg/clg	TPM mg/clg	Puff Count
Philip Morris Commander king size non-filter soft pack	$\bar{X}$	28.6±0.5	1.64±0.03	17.3±0.4	4.4±0.3	34.6±0.8	9.6±0.1
	s	1.2	0.07	1.0	0.7	1.9	0.3
	CV	4.3	4.2	5.7	16.4	5.4	3.4
Philip Morris International 100 mm filter hard pack	$\bar{X}$	18.0±0.3	1.14±0.02	16.2±0.3	2.3±0.1	21.4±0.4	10.5±0.1
	s	0.7	0.04	0.7	0.3	0.9	0.2
	CV	3.9	3.8	4.1	12.9	4.4	2.2
Philip Morris International 100 mm filter menthol hard pack	$\bar{X}$	16.5±0.2	1.01±0.01	16.1±0.3	2.0±0.1	19.6±0.2	9.9±0.1
	s	0.4	0.03	0.6	0.3	0.6	0.2
	CV	2.6	3.3	4.0	12.9	2.8	2.2
Picayune regular size non-filter soft pack	$\bar{X}$	17.4±0.5	1.16±0.03	14.0±0.4	2.4±0.3	20.9±0.7	6.3±0.1
	s	1.1	0.07	1.0	0.6	1.6	0.3
	CV	6.3	6.2	6.8	25.7	7.6	4.0
Players regular size non-filter hard pack	$\bar{X}$	23.7±0.5	1.50±0.03	14.7±0.4	3.3±0.1	28.4±0.6	8.4±0.1
	s	1.1	0.08	0.8	0.3	1.4	0.2
	CV	4.8	5.1	5.5	8.7	4.8	2.3
Players king size filter hard pack	$\bar{X}$	11.6±0.2	0.80±0.02	11.7±0.2	1.4±0.1	13.8±0.3	8.2±0.1
	s	0.5	0.04	0.4	0.1	0.6	0.2
	CV	4.3	4.4	3.7	8.5	4.6	2.7
Players king size filter menthol hard pack	$\bar{X}$	12.0±0.2	0.79±0.02	11.8±0.2	1.5±0.1	14.3±0.3	8.4±0.1
	s	0.5	0.05	0.5	0.2	0.7	0.3
	CV	4.5	5.7	4.5	10.9	4.9	3.0
Players 100's 100 mm filter hard pack	$\bar{X}$	14.8±0.2	0.96±0.02	14.2±0.3	1.8±0.1	17.5±0.3	8.9±0.1
	s	0.5	0.05	0.8	0.2	0.7	0.2
	CV	3.4	5.5	5.3	11.7	3.8	2.6

PM3000762377

Source: https://www.industrydocuments.ucsf.edu/docs/zfbl0001

Brands		Tar mg/clg	Nicotine mg/clg	CO mg/clg	Water mg/clg	TPM mg/clg	Puff Count
Players 100's 100 mm filter menthol hard pack	$\bar{X}$ s CV	14.5±0.2 0.4 2.9	0.92±0.01 0.03 3.5	14.0±0.3 0.6 4.2	1.7±0.1 0.2 9.2	17.1±0.2 0.5 2.8	8.9±0.1 0.3 3.6
Players Lights 25's king size filter soft pack	$\bar{X}$ s CV	10.2±0.2 0.4 3.4	0.70±0.01 0.03 3.9	11.4±0.3 0.7 5.7	1.2±0.05 0.1 9.3	12.1±0.2 0.5 3.9	7.9±0.1 0.2 1.9
Players Lights 25's king size filter menthol soft pack	$\bar{X}$ s CV	10.1±0.2 0.4 3.5	0.69±0.01 0.03 4.3	11.4±0.2 0.5 4.7	1.1±0.04 0.1 8.4	11.9±0.2 0.4 3.3	7.9±0.1 0.2 2.9
Players 25's Lights 100's 100 mm filter soft pack	$\bar{X}$ s CV	12.0±0.2 0.4 3.5	0.82±0.02 0.04 4.7	13.7±0.3 0.6 4.2	1.2±0.03 0.1 6.5	14.1±0.2 0.5 3.3	10.4±0.1 0.2 2.0
Players 25's Lights 100's 100 mm filter menthol soft pack	$\bar{X}$ s CV	12.1±0.2 0.5 3.9	0.82±0.01 0.03 3.8	13.4±0.2 0.5 3.9	1.2±0.05 0.1 8.3	14.1±0.3 0.6 4.0	10.4±0.1 0.2 2.0
Raleigh Con Filtro regular size filter soft pack	$\bar{X}$ s CV	17.4±0.4 0.8 4.6	0.87±0.02 0.05 6.3	17.7±0.3 0.8 4.3	5.0±0.3 0.6 11.7	23.4±0.6 1.4 5.9	7.4±0.1 0.3 3.4
Raleigh king size non-filter soft pack	$\bar{X}$ s CV	25.5±0.3 0.7 2.9	1.36±0.03 0.06 4.3	19.2±0.4 1.0 5.1	3.6±0.2 0.5 12.7	30.5±0.5 1.1 3.5	8.7±0.1 0.3 3.2
Raleigh king size filter soft pack	$\bar{X}$ s CV	16.6±0.3 0.7 4.0	0.99±0.02 0.04 4.3	15.8±0.4 0.9 5.8	3.8±0.3 0.6 15.1	21.3±0.5 1.1 5.2	7.6±0.1 0.2 2.7

PM3000762378

Source: https://www.industrydocuments.ucsf.edu/docs/zfbl0001

Brands		Tar mg/cig	Nicotine mg/cig	CO mg/cig	Water mg/cig	TPM mg/cig	Puff Count
Raleigh 100's	$\bar{X}$	17.5±0.3	1.12±0.02	18.0±0.4	2.5±0.2	21.1±0.4	8.9±0.1
100 mm	s	0.7	0.05	0.8	0.4	1.0	0.2
filter	CV	3.9	4.5	4.4	14.3	4.6	2.6
soft pack							
Raleigh Lights	$\bar{X}$	10.8±0.2	0.77±0.02	13.0±0.3	1.3±0.1	12.9±0.3	7.8±0.1
king size	s	0.5	0.05	0.7	0.2	0.7	0.2
filter	CV	4.7	6.0	5.1	12.2	5.2	3.0
soft pack							
Raleigh Lights 100's	$\bar{X}$	10.8±0.2	0.78±0.02	13.0±0.4	1.1±0.04	12.7±0.3	9.3±0.1
100 mm	s	0.5	0.04	0.8	0.1	0.6	0.2
filter	CV	4.9	4.6	6.4	8.0	4.8	2.5
soft pack							
Richland (25)	$\bar{X}$	16.8±0.5	1.10±0.03	16.3±0.4	3.0±0.3	20.9±0.8	8.7±0.2
king size	s	1.2	0.07	0.8	0.6	1.7	0.3
filter	CV	6.9	6.6	5.2	18.5	8.2	3.9
soft pack							
Richland (25)	$\bar{X}$	17.2±0.2	1.06±0.02	16.7±0.4	4.1±0.3	22.3±0.5	7.3±0.1
king size	s	0.5	0.04	0.8	0.6	1.1	0.2
filter menthol	CV	2.9	3.9	5.0	15.9	4.8	2.5
soft pack							
Richland Lights (25)	$\bar{X}$	10.7±0.2	0.75±0.02	13.1±0.3	1.3±0.1	12.8±0.3	7.3±0.1
king size	s	0.6	0.05	0.7	0.2	0.7	0.2
filter	CV	5.2	6.4	5.0	13.0	5.7	2.9
soft pack							
Ritz	$\bar{X}$	11.6±0.2	0.85±0.01	13.0±0.3	1.2±0.04	13.7±0.2	9.7±0.1
100 mm	s	0.4	0.03	0.7	0.1	0.5	0.2
filter	CV	3.6	3.8	5.4	7.3	3.6	1.8
hard pack							
Ritz	$\bar{X}$	11.2±0.1	0.81±0.01	11.1±0.2	1.1±0.03	13.1±0.1	9.8±0.1
100 mm	s	0.3	0.02	0.4	0.1	0.3	0.2
filter menthol	CV	2.3	2.8	3.7	6.2	2.3	2.3
hard pack							

PM3000762379

Source: https://www.industrydocuments.ucsf.edu/docs/zfbl0001

Brands		Tar mg/cig	Nicotine mg/cig	CO mg/cig	Water mg/cig	TPM mg/cig	Puff Count
Salem king size filter menthol hard pack	$\bar{X}$	18.2±0.3	1.20±0.02	16.2±0.3	4.2±0.2	23.6±0.5	8.0±0.1
	s	0.8	0.04	0.7	0.5	1.2	0.2
	CV	4.2	3.2	4.2	11.4	4.9	2.5
Salem king size filter menthol soft pack	$\bar{X}$	17.0±0.3	1.01±0.02	19.9±0.4	3.7±0.2	21.7±0.5	7.9±0.1
	s	0.6	0.04	0.9	0.6	1.0	0.2
	CV	3.4	3.9	4.3	14.9	4.7	2.4
Salem 100's 100 mm filter menthol soft pack	$\bar{X}$	16.9±0.4	1.13±0.03	17.9±0.6	2.0±0.1	20.0±0.5	9.9±0.1
	s	0.9	0.06	1.2	0.3	1.2	0.2
	CV	5.5	5.4	6.9	15.2	6.0	2.5
Salem Lights king size filter menthol soft pack	$\bar{X}$	10.0±0.2	0.71±0.01	12.9±0.3	1.1±0.1	11.8±0.2	7.6±0.1
	s	0.5	0.02	0.6	0.1	0.5	0.2
	CV	4.8	3.4	4.7	10.4	4.4	3.0
Salem Lights 100's 100 mm filter menthol soft pack	$\bar{X}$	8.9±0.1	0.70±0.01	11.4±0.3	0.8±0.03	10.4±0.2	9.5±0.1
	s	0.3	0.03	0.7	0.1	0.3	0.2
	CV	3.4	4.3	6.1	7.6	3.3	1.8
Salem Slim Lights 100's 100 mm filter menthol hard pack	$\bar{X}$	8.2±0.3	0.62±0.02	9.2±0.3	0.9±0.1	9.7±0.3	8.6±0.1
	s	0.6	0.04	0.8	0.1	0.7	0.3
	CV	7.3	6.3	8.2	15.1	7.6	3.2
Salem Ultra Lights king size filter menthol soft pack	$\bar{X}$	5.3±0.2	0.42±0.02	8.2±0.3	0.5±0.03	6.3±0.2	7.6±0.1
	s	0.4	0.04	0.7	0.1	0.4	0.3
	CV	6.6	8.4	8.0	12.2	6.5	4.2
Salem Ultra Lights 100's 100 mm filter menthol soft pack	$\bar{X}$	5.0±0.1	0.41±0.01	8.2±0.2	0.4±0.03	5.9±0.2	9.9±0.1
	s	0.3	0.03	0.4	0.1	0.3	0.2
	CV	6.0	7.8	4.9	16.3	5.8	1.9

PM3000762380

Source: https://www.industrydocuments.ucsf.edu/docs/zfbl0001

Brands		Tar mg/cig	Nicotine mg/cig	CO mg/cig	Water mg/cig	TPM mg/cig	Puff Count
Saratoga 120's 120 mm filter hard pack	$\bar{X}$ s CV	15.5±0.2 0.5 3.3	1.05±0.02 0.05 4.4	14.8±0.3 0.6 4.3	1.6±0.1 0.2 12.2	18.2±0.3 0.7 3.7	12.7±0.1 0.3 2.0
Saratoga 120's 120 mm filter menthol hard pack	$\bar{X}$ s CV	15.3±0.3 0.6 3.7	1.04±0.02 0.05 4.4	14.8±0.4 0.9 5.8	1.7±0.1 0.2 12.6	18.1±0.3 0.7 4.1	12.5±0.1 0.3 2.2
Satin 100's 100 mm filter soft pack	$\bar{X}$ s CV	11.4±0.3 0.6 5.2	0.92±0.02 0.04 4.4	13.8±0.4 0.9 6.4	1.3±0.1 0.1 10.6	13.6±0.3 0.7 5.4	8.9±0.1 0.3 3.4
Satin 100's 100 mm filter menthol soft pack	$\bar{X}$ s CV	11.4±0.2 0.6 4.9	0.92±0.02 0.04 4.3	13.6±0.4 1.0 7.1	1.2±0.05 0.1 8.4	13.6±0.3 0.7 4.9	8.9±0.1 0.3 3.2
Silva Thins 100 mm filter hard pack	$\bar{X}$ s CV	10.7±0.2 0.4 3.7	0.85±0.02 0.04 4.7	11.2±0.3 0.6 5.0	1.0±0.05 0.1 10.3	12.6±0.2 0.5 4.1	9.3±0.1 0.2 2.6
Silva Thins 100 mm filter soft pack	$\bar{X}$ s CV	12.6±0.3 0.6 5.0	0.99±0.02 0.05 5.3	11.5±0.3 0.6 5.2	1.6±0.1 0.2 15.6	15.1±0.4 0.9 5.7	9.1±0.1 0.2 2.5
Silva Thins 100 mm filter menthol soft pack	$\bar{X}$ s CV	11.4±0.3 0.6 5.4	0.94±0.03 0.07 7.6	10.6±0.3 0.7 6.7	1.2±0.1 0.2 12.2	13.6±0.4 0.8 5.9	9.1±0.1 0.3 3.2
Spring 100's 100 mm filter menthol soft pack	$\bar{X}$ s CV	18.8±0.2 0.5 2.8	1.08±0.01 0.03 2.7	17.9±0.4 1.0 5.6	2.8±0.1 0.3 11.0	22.7±0.3 0.8 3.4	8.7±0.1 0.2 2.8

PM3000762381

Source: https://www.industrydocuments.ucsf.edu/docs/zfbl0001

Brands		Tar mg/cig	Nicotine mg/cig	CO mg/cig	Water mg/cig	TPM mg/cig	Puff Count
St. Moritz 100 mm filter soft pack	$\bar{X}$ s CV	14.1±0.4 0.9 6.0	1.03±0.02 0.05 5.2	14.8±0.5 1.1 7.6	2.0±0.1 0.3 16.5	17.1±0.5 1.1 6.4	8.4±0.1 0.3 3.6
St. Moritz 100 mm filter menthol soft pack	$\bar{X}$ s CV	14.4±0.3 0.7 4.7	1.06±0.03 0.06 5.5	14.8±0.4 0.9 6.2	2.1±0.2 0.4 19.0	17.5±0.5 1.1 6.0	8.5±0.1 0.3 3.2
Stride king size filter soft pack	$\bar{X}$ s CV	13.4±0.2 0.5 3.8	0.92±0.01 0.03 3.5	13.3±0.3 0.7 5.0	2.4±0.2 0.4 15.6	16.7±0.4 0.8 5.1	7.3±0.1 0.2 2.8
Stride 100's 100 mm filter soft pack	$\bar{X}$ s CV	14.2±0.3 0.6 4.2	1.04±0.02 0.05 4.8	14.5±0.4 0.9 5.9	1.9±0.1 0.3 14.7	17.1±0.4 0.8 4.9	8.6±0.2 0.3 3.9
Stride 100's 100 mm filter menthol soft pack	$\bar{X}$ s CV	14.3±0.3 0.6 4.3	1.03±0.02 0.05 5.1	13.8±0.3 0.7 5.3	1.8±0.1 0.2 9.9	17.1±0.4 0.8 4.6	8.7±0.1 0.3 3.6
Tall 120s 120 mm filter soft pack	$\bar{X}$ s CV	19.8±0.5 1.1 5.6	1.55±0.03 0.06 4.2	21.3±0.6 1.2 5.8	2.0±0.1 0.3 12.4	23.4±0.6 1.3 5.6	15.2±0.1 0.3 1.9
Tall 120s 120 mm filter menthol soft pack	$\bar{X}$ s CV	17.1±0.4 0.9 5.1	1.41±0.03 0.06 4.3	17.8±0.5 1.1 6.1	1.7±0.1 0.2 9.5	20.2±0.4 1.0 4.9	14.6±0.2 0.4 3.0
Tareyton king size filter soft pack	$\bar{X}$ s CV	14.0±0.2 0.5 3.6	0.91±0.02 0.04 4.6	16.2±0.4 0.8 5.2	3.5±0.2 0.3 9.7	18.4±0.4 0.8 4.3	7.9±0.1 0.2 2.3

PM3000762382

Source: https://www.industrydocuments.ucsf.edu/docs/zfbl0001

Brands		Tar mg/cig	Nicotine mg/cig	CO mg/cig	Water mg/cig	TPM mg/cig	Puff Count
Tareyton 100's	$\bar{X}$	13.7±0.2	0.94±0.02	17.2±0.4	2.2±0.1	16.9±0.4	8.8±0.1
100 mm	s	0.5	0.04	0.9	0.3	0.8	0.2
filter	CV	4.0	4.7	4.9	14.9	4.9	2.2
soft pack							
Tareyton Lights	$\bar{X}$	4.8±0.1	0.39±0.01	5.6±0.2	0.4±0.02	5.7±0.1	6.7±0.1
king size	s	0.3	0.03	0.4	0.1	0.3	0.2
filter	CV	5.7	7.5	7.0	11.4	5.7	3.0
soft pack							
Tareyton Long Lights	$\bar{X}$	7.6±0.2	0.63±0.02	8.6±0.3	0.7±0.03	8.9±0.2	9.5±0.1
100 mm	s	0.4	0.04	0.6	0.1	0.5	0.2
filter	CV	4.9	6.2	6.6	10.6	5.2	1.9
soft pack							
Triumph	$\bar{X}$	3.6±0.2	0.39±0.02	4.7±0.3	0.3±0.03	4.3±0.3	7.1±0.1
king size	s	0.6	0.05	0.7	0.1	0.7	0.3
filter	CV	15.2	11.7	14.9	26.8	15.1	3.5
soft pack							
Triumph	$\bar{X}$	3.6±0.2	0.39±0.02	4.5±0.3	0.3±0.03	4.3±0.2	7.2±0.2
king size	s	0.5	0.04	0.6	0.1	0.5	0.4
filter menthol	CV	12.8	10.3	14.0	23.3	12.7	5.3
soft pack							
Triumph 100s	$\bar{X}$	4.4±0.2	0.47±0.02	5.9±0.3	0.3±0.03	5.2±0.2	8.5±0.1
100 mm	s	0.4	0.04	0.6	0.1	0.5	0.3
filter	CV	9.2	7.7	10.3	18.8	9.1	3.5
soft pack							
Triumph 100s	$\bar{X}$	4.5±0.2	0.48±0.02	6.2±0.3	0.4±0.03	5.3±0.2	8.6±0.1
100 mm	s	0.5	0.05	0.6	0.1	0.5	0.3
filter menthol	CV	10.4	10.6	9.5	16.7	10.0	3.3
soft pack							
True	$\bar{X}$	5.2±0.4	0.50±0.03	5.1±0.3	0.5±0.1	6.2±0.5	8.6±0.1
king size	s	0.8	0.07	0.7	0.1	1.0	0.3
filter	CV	16.2	14.8	13.3	23.9	16.6	3.4
soft pack							

PM3000762383

Source: https://www.industrydocuments.ucsf.edu/docs/zfbl0001

Brands		Tar mg/cig	Nicotine mg/cig	CO mg/cig	Water mg/cig	TPM mg/cig	Puff Count
True king size filter menthol soft pack	$\bar{X}$	4.9±0.6	0.47±0.04	5.1±0.4	0.5±0.1	5.9±0.7	8.7±0.1
	s	1.3	0.1	0.9	0.3	1.6	0.3
	CV	26.1	21.0	17.9	48.5	27.3	3.3
True 100's 100 mm filter soft pack	$\bar{X}$	8.4±0.4	0.75±0.03	8.2±0.4	0.9±0.1	10.0±0.5	9.7±0.1
	s	0.9	0.07	0.9	0.1	1.1	0.2
	CV	10.3	8.9	11.0	16.0	10.5	2.3
True 100's 100 mm filter menthol soft pack	$\bar{X}$	8.4±0.5	0.74±0.03	8.7±0.5	0.9±0.1	10.0±0.6	9.5±0.1
	s	1.1	0.07	1.2	0.2	1.4	0.3
	CV	12.9	10.0	14.0	25.0	13.5	3.2
True Gold king size filter soft pack	$\bar{X}$	9.9±0.2	0.76±0.02	12.4±0.3	1.1±0.1	11.7±0.3	7.5±0.1
	s	0.4	0.04	0.8	0.1	0.6	0.3
	CV	4.5	4.7	6.3	10.8	4.8	3.5
True Gold 100 mm filter hard pack	$\bar{X}$	11.6±0.2	0.89±0.01	15.8±0.5	1.2±0.04	13.7±0.2	8.5±0.1
	s	0.5	0.03	1.1	0.1	0.6	0.2
	CV	4.4	3.1	6.8	7.9	4.1	2.7
True Gold 100 mm filter soft pack	$\bar{X}$	11.4±0.2	0.85±0.02	15.4±0.4	1.2±0.1	13.4±0.3	8.5±0.1
	s	0.5	0.03	0.9	0.1	0.6	0.3
	CV	4.4	4.0	6.1	10.4	4.7	3.0
Vantage king size filter soft pack	$\bar{X}$	9.0±0.2	0.64±0.02	12.9±0.3	1.0±0.04	10.7±0.3	8.0±0.1
	s	0.5	0.03	0.7	0.1	0.6	0.2
	CV	5.2	5.4	5.3	9.3	5.4	3.1
Vantage king size filter menthol soft pack	$\bar{X}$	9.0±0.2	0.64±0.02	11.3±0.3	0.9±0.04	10.5±0.3	7.8±0.1
	s	0.5	0.03	0.8	0.1	0.6	0.2
	CV	5.1	5.3	6.7	11.2	5.4	2.5

PM3000762384

Source: https://www.industrydocuments.ucsf.edu/docs/zfbl0001

Brands		Tar mg/cig	Nicotine mg/cig	CO mg/cig	Water mg/cig	TPM mg/cig	Puff Count
Vantage 100s 100 mm filter soft pack	$\bar{X}$ s CV	9.2±0.2 0.4 4.8	0.65±0.01 0.03 3.9	12.3±0.3 0.7 5.3	0.9±0.04 0.1 9.2	10.7±0.2 0.5 4.8	9.6±0.1 0.3 3.2
Vantage 100s 100 mm filter menthol soft pack	$\bar{X}$ s CV	9.1±0.2 0.5 5.1	0.65±0.01 0.03 5.0	12.3±0.3 0.7 5.4	1.0±0.1 0.1 13.3	10.7±0.2 0.5 4.9	9.7±0.1 0.3 3.2
Vantage Ultra Lights king size filter soft pack	$\bar{X}$ s CV	5.3±0.1 0.3 4.8	0.44±0.01 0.02 5.3	8.0±0.2 0.4 4.5	0.5±0.02 0.04 7.7	6.2±0.1 0.3 4.4	7.2±0.1 0.2 3.0
Vantage Ultra Lights king size filter menthol soft pack	$\bar{X}$ s CV	4.6±0.1 0.3 6.5	0.36±0.02 0.04 12.2	6.6±0.2 0.5 8.2	0.4±0.03 0.1 14.7	5.4±0.1 0.3 6.2	7.6±0.1 0.2 3.2
Vantage Ultra Lights 100s 100 mm filter soft pack	$\bar{X}$ s CV	4.9±0.1 0.3 6.0	0.41±0.01 0.03 6.4	7.9±0.2 0.5 6.9	0.4±0.02 0.04 8.9	5.8±0.2 0.3 5.9	9.2±0.1 0.3 2.9
Vantage Ultra Lights 100s 100 mm filter menthol soft pack	$\bar{X}$ s CV	5.0±0.2 0.4 7.7	0.43±0.02 0.04 9.1	8.2±0.3 0.7 8.0	0.4±0.02 0.1 12.4	5.8±0.2 0.4 7.4	8.6±0.1 0.3 3.1
Viceroy king size filter soft pack	$\bar{X}$ s CV	16.9±0.3 0.7 4.4	1.01±0.02 0.05 5.0	15.6±0.3 0.7 4.8	3.8±0.3 0.6 16.4	21.8±0.6 1.3 6.1	7.7±0.1 0.2 2.3
Viceroy Lights king size filter soft pack	$\bar{X}$ s CV	11.0±0.2 0.5 4.3	0.75±0.02 0.05 7.2	13.5±0.3 0.7 4.8	1.3±0.1 0.2 12.6	13.1±0.3 0.6 4.6	7.7±0.1 0.3 3.4

PM3000762385

Source: https://www.industrydocuments.ucsf.edu/docs/zfbl0001

Brands		Tar mg/cig	Nicotine mg/cig	CO mg/cig	Water mg/cig	TPM mg/cig	Puff Count
Viceroy Lights 100's 100 mm filter soft pack	$\bar{X}$ s CV	11.7±0.2 0.5 3.9	0.82±0.02 0.04 4.7	14.7±0.4 1.0 6.5	1.2±0.1 0.2 13.6	13.6±0.2 0.5 3.8	9.0±0.1 0.3 2.8
Viceroy Super Long 100's 100 mm filter soft pack	$\bar{X}$ s CV	16.9±0.3 0.6 3.5	1.12±0.02 0.04 4.0	15.8±0.3 0.8 4.9	2.3±0.1 0.3 12.7	20.3±0.4 0.8 4.0	9.2±0.1 0.3 2.7
		13.7	1.00		2.06	16.8	9.2
Virginia Slims 100 mm filter soft pack	$\bar{X}$ s CV	15.2±0.4 0.8 5.5	0.99±0.02 0.05 5.3	13.9±0.3 0.6 4.7	1.9±0.1 0.3 15.2	18.0±0.5 1.1 6.1	9.4±0.2 0.3 3.7
Virginia Slims 100 mm filter menthol soft pack	$\bar{X}$ s CV	15.2±0.3 0.6 4.0	0.99±0.02 0.05 4.8	13.7±0.4 0.9 6.2	1.8±0.1 0.2 10.2	18.0±0.4 0.8 4.4	9.4±0.1 0.3 2.7
Virginia Slims Lights 100 mm filter hard pack	$\bar{X}$ s CV	9.1±0.2 0.5 5.2	0.66±0.02 0.04 5.3	9.6±0.3 0.6 6.1	0.9±0.1 0.1 12.8	10.7±0.3 0.6 5.7	9.8±0.2 0.4 3.7
Virginia Slims Lights 100 mm filter menthol hard pack	$\bar{X}$ s CV	8.9±0.2 0.4 4.3	0.63±0.01 0.03 4.4	9.8±0.3 0.6 6.0	0.9±0.04 0.1 9.1	10.5±0.2 0.5 4.5	9.0±0.1 0.3 3.0
Virginia Slims Lights 120's 120 mm filter hard pack	$\bar{X}$ s CV	14.7±0.3 0.8 5.1	1.01±0.02 0.05 4.8	15.0±0.5 1.2 7.9	1.5±0.1 0.2 10.2	17.2±0.4 0.9 5.2	12.5±0.1 0.3 2.4
Virginia Slims Lights 120's 120 mm filter menthol hard pack	$\bar{X}$ s CV	14.4±0.3 0.6 3.9	0.99±0.02 0.04 4.3	14.6±0.3 0.7 4.8	1.5±0.1 0.1 8.3	16.9±0.3 0.6 3.8	12.4±0.2 0.4 3.3

PM3000762386

Source: https://www.industrydocuments.ucsf.edu/docs/zfbl0001

Brands		Tar mg/cig	Nicotine mg/cig	CO mg/cig	Water mg/cig	TPM mg/cig	Puff Count
Winston king size filter hard pack	$\bar{X}$	17.4±0.3	1.08±0.02	16.7±0.4	4.2±0.3	22.7±0.7	8.5±0.1
	s	0.8	0.05	0.9	0.8	1.5	0.2
	CV	4.5	4.5	5.2	18.3	6.5	2.6
Winston king size filter soft pack	$\bar{X}$	16.8±0.3	1.10±0.02	15.6±0.4	2.7±0.1	20.6±0.4	9.4±0.1
	s	0.7	0.05	1.0	0.2	0.8	0.3
	CV	4.2	4.7	6.1	7.5	4.1	2.7
Winston 100's 100 mm filter soft pack	$\bar{X}$	17.9±0.3	1.09±0.02	18.1±0.3	2.2±0.1	21.3±0.4	10.5±0.2
	s	0.7	0.05	0.7	0.3	0.8	0.4
	CV	3.8	4.2	4.0	12.0	3.9	3.4
Winston Lights king size filter hard pack	$\bar{X}$	10.2±0.3	0.67±0.02	12.0±0.3	1.3±0.1	12.1±0.4	7.7±0.1
	s	0.6	0.03	0.7	0.3	0.9	0.2
	CV	5.6	5.2	6.0	23.5	7.2	2.8
Winston Lights king size filter soft pack	$\bar{X}$	10.6±0.2	0.76±0.01	12.8±0.3	1.2±0.1	12.6±0.2	8.3±0.2
	s	0.4	0.03	0.7	0.1	0.5	0.3
	CV	3.3	4.2	5.1	11.0	3.8	4.0
Winston Lights 100's 100 mm filter soft pack	$\bar{X}$	11.5±0.2	0.81±0.02	13.3±0.4	1.2±0.04	13.5±0.3	10.2±0.1
	s	0.5	0.04	0.8	0.1	0.6	0.3
	CV	4.3	4.5	6.1	7.1	4.2	2.9
Winston Ultra Lights king size filter soft pack	$\bar{X}$	5.2±0.2	0.43±0.01	8.1±0.2	0.5±0.04	6.1±0.2	7.0±0.1
	s	0.4	0.03	0.5	0.1	0.5	0.1
	CV	7.9	6.1	6.2	18.7	7.8	1.9
Winston Ultra Lights 100's 100 mm filter soft pack	$\bar{X}$	5.2±0.1	0.43±0.01	8.5±0.2	0.5±0.02	6.1±0.1	9.0±0.1
	s	0.2	0.03	0.4	0.05	0.3	0.1
	CV	4.6	6.2	5.2	9.4	4.5	1.5

PM3000762387

Source: https://www.industrydocuments.ucsf.edu/docs/zfbl0001

Brands		Tar mg/clg	Nicotine mg/clg	CO mg/clg	Water mg/clg	TPM mg/clg	Puff Count
		12.9	1.14		1.79	15.9	8.3
Monitor - L&M	$\bar{X}$	13.4±0.03	1.05±0.003	12.1±0.03	1.6±0.01	16.0±0.04	8.3±0.02
	s	0.6	0.05	0.6	0.2	0.7	0.3
	CV	4.2	4.8	4.9	12.0	4.5	3.5

PM3000762388

Source: https://www.industrydocuments.ucsf.edu/docs/zfbl0001

Section II

Per Puff Data

PM3000762389

Source: https://www.industrydocuments.ucsf.edu/docs/zfbl0001

Brands		Tar mg/puff	Nicotine mg/puff	CO mg/puff	Water mg/puff	TPM mg/puff
Alpine king size filter menthol soft pack	$\bar{X}$	1.89±0.03	0.115±0.001	1.70±0.03	0.37±0.01	2.37±0.04
	s	0.07	0.003	0.06	0.03	0.09
	CV	3.8	2.8	3.4	9.1	3.9
Astor king size filter hard pack	$\bar{X}$	2.11±0.04	0.126±0.002	2.18±0.05	0.42±0.03	2.66±0.07
	s	0.09	0.005	0.11	0.07	0.16
	CV	4.5	4.3	5.2	16.2	5.9
Astor 100's 100 mm filter hard pack	$\bar{X}$	1.76±0.02	0.120±0.002	1.85±0.04	0.19±0.01	2.07±0.02
	s	0.04	0.004	0.09	0.02	0.06
	CV	2.5	3.6	4.7	12.1	2.7
Astor 100's 100 mm filter menthol hard pack	$\bar{X}$	1.87±0.02	0.124±0.002	1.91±0.03	0.21±0.01	2.20±0.03
	s	0.05	0.004	0.07	0.02	0.06
	CV	2.5	3.0	3.8	9.8	2.6
Belair king size filter menthol soft pack	$\bar{X}$	1.49±0.03	0.110±0.002	1.39±0.03	0.17±0.01	1.77±0.04
	s	0.06	0.005	0.06	0.03	0.08
	CV	3.9	4.9	4.6	16.0	4.7
Belair 100's 100 mm filter menthol soft pack	$\bar{X}$	1.10±0.03	0.077±0.002	1.13±0.03	0.11±0.01	1.28±0.04
	s	0.07	0.004	0.07	0.01	0.08
	CV	6.0	5.8	6.6	11.5	6.2
Benson & Hedges regular size filter hard pack	$\bar{X}$	0.13±0.01	0.014±0.001	0.28±0.02	0.02±0.003	0.16±0.02
	s	0.03	0.003	0.04	0.01	0.04
	CV	23.9	19.5	13.4	43.2	22.6
Benson & Hedges king size filter hard pack	$\bar{X}$	1.80±0.04	0.131±0.003	1.45±0.03	0.22±0.01	2.15±0.05
	s	0.08	0.007	0.07	0.03	0.10
	CV	4.5	5.0	5.0	11.3	4.7

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Source: https://www.industrydocuments.ucsf.edu/docs/zfbl0001

Brands		Tar mg/puff	Nicotine mg/puff	CO mg/puff	Water mg/puff	TPM mg/puff
Benson & Hedges 100's 100 mm filter hard pack	$\bar{X}$	1.79±0.04	0.114±0.002	1.72±0.04	0.23±0.02	2.13±0.05
	s	0.08	0.005	0.09	0.04	0.11
	CV	4.6	4.1	5.5	16.6	5.2
Benson & Hedges 100's 100 mm filter menthol hard pack	$\bar{X}$	1.70±0.02	0.109±0.002	1.62±0.03	0.21±0.01	2.02±0.02
	s	0.04	0.004	0.06	0.02	0.05
	CV	2.6	3.7	3.9	11.5	2.6
Benson & Hedges 100's 100 mm filter soft pack	$\bar{X}$	1.67±0.02	0.109±0.002	1.64±0.05	0.20±0.01	1.98±0.03
	s	0.05	0.004	0.11	0.02	0.06
	CV	3.2	3.2	6.8	12.2	3.3
Benson & Hedges 100's 100 mm filter menthol soft pack	$\bar{X}$	1.68±0.02	0.110±0.002	1.66±0.04	0.19±0.01	1.98±0.03
	s	0.05	0.004	0.09	0.02	0.06
	CV	2.8	3.6	5.7	12.2	3.3
B&H Deluxe Lights 100's 100 mm filter hard pack	$\bar{X}$	1.11±0.02	0.080±0.001	1.27±0.03	0.11±0.005	1.30±0.02
	s	0.04	0.003	0.07	0.01	0.05
	CV	3.9	4.1	5.7	9.4	4.1
B&H Deluxe Lights 100's 100 mm filter menthol hard pack	$\bar{X}$	1.14±0.02	0.083±0.002	1.24±0.03	0.12±0.01	1.34±0.02
	s	0.05	0.003	0.06	0.01	0.05
	CV	4.1	4.1	4.9	9.5	3.9
B&H Deluxe Ultra Lights 100's 100 mm filter hard pack	$\bar{X}$	0.58±0.02	0.047±0.001	.68±0.02	0.05±0.003	0.68±0.02
	s	0.04	0.002	0.05	0.01	0.04
	CV	6.8	5.3	7.3	12.0	6.3
B&H Deluxe Ultra Lights 100's 100 mm filter menthol hard pack	$\bar{X}$	0.60±0.03	0.048±0.002	0.71±0.04	0.06±0.003	0.70±0.03
	s	0.07	0.003	0.09	0.01	0.08
	CV	11.3	7.3	12.8	13.1	10.9

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Source: https://www.industrydocuments.ucsf.edu/docs/zfbl0001

Brands		Tar mg/puff	Nicotine mg/puff	CO mg/puff	Water mg/puff	TPM mg/puff
Benson & Hedges Lights 100's 100 mm filter soft pack	$\bar{X}$ s CV	1.07±0.02 0.05 4.5	0.076±0.001 0.003 4.1	1.26±0.04 0.08 6.2	0.11±0.003 0.01 5.9	1.25±0.02 0.05 4.2
Benson & Hedges Lights 100's 100 mm filter menthol soft pack	$\bar{X}$ s CV	1.02±0.01 0.03 2.8	0.072±0.002 0.003 4.7	1.16±0.03 0.06 5.5	0.10±0.003 0.01 5.4	1.20±0.02 0.03 2.9
Benson & Hedges Multifilter king size filter soft pack	$\bar{X}$ s CV	1.38±0.04 0.10 7.3	0.096±0.003 0.006 6.0	1.34±0.04 0.09 6.5	0.18±0.01 0.02 13.0	1.65±0.06 0.13 7.6
Benson & Hedges Multifilter king size filter menthol soft pack	$\bar{X}$ s CV	1.52±0.04 0.10 6.6	0.100±0.002 0.005 4.9	1.36±0.05 0.12 8.7	0.20±0.01 0.03 14.6	1.82±0.06 0.13 6.9
Bright king size filter menthol soft pack	$\bar{X}$ s CV	0.86±0.01 0.03 3.8	0.066±0.002 0.004 5.3	1.23±0.04 0.08 6.9	0.09±0.003 0.01 8.1	1.02±0.02 0.04 3.8
Bright 100s 100 mm filter menthol soft pack	$\bar{X}$ s CV	0.72±0.02 0.05 7.5	0.057±0.002 0.004 6.9	1.12±0.04 0.09 7.7	0.07±0.003 0.01 11.2	0.84±0.03 0.06 7.4
Bull Durham king size filter soft pack	$\bar{X}$ s CV	2.66±0.05 0.11 4.3	0.170±0.003 0.006 3.3	2.22±0.05 0.11 4.8	0.54±0.02 0.05 10.1	3.37±0.06 0.14 4.3
Cambridge king size filter hard pack	$\bar{X}$ s CV	<0.05	<0.002	0.01±0.01 0.01 167.4	0.00±0.002	<0.05

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Source: https://www.industrydocuments.ucsf.edu/docs/zfbl0001

Brands		Tar mg/puff	Nicotine mg/puff	CO mg/puff	Water mg/puff	TPM mg/puff
Cambridge king size filter soft pack	$\bar{X}$	0.13±0.01	0.018±0.001	0.21±0.01	0.01±0.003	0.16±0.01
	s	0.02	0.003	0.03	0.01	0.02
	CV	14.4	15.7	13.2	48.6	14.2
Cambridge 100's 100 mm filter soft pack	$\bar{X}$	0.51±0.02	0.046±0.002	0.75±0.02	0.04±0.002	0.59±0.02
	s	0.04	0.004	0.05	0.01	0.05
	CV	8.1	7.6	7.1	13.1	7.9
Camel regular size non-filter soft pack	$\bar{X}$	3.29±0.05	0.200±0.003	2.40±0.08	0.53±0.03	4.01±0.07
	s	0.11	0.006	0.17	0.08	0.16
	CV	3.4	3.2	7.2	14.6	3.9
Camel Filters king size filter hard pack	$\bar{X}$	2.05±0.02	0.128±0.001	1.97±0.04	0.44±0.03	2.62±0.05
	s	0.05	0.003	0.09	0.07	0.11
	CV	2.5	2.3	4.5	14.9	4.1
Camel Filters king size filter soft pack	$\bar{X}$	1.83±0.03	0.116±0.002	1.82±0.04	0.36±0.02	2.31±0.04
	s	0.07	0.005	0.08	0.05	0.10
	CV	3.6	4.2	4.5	12.5	4.3
Camel Lights king size filter hard pack	$\bar{X}$	1.15±0.03	0.082±0.002	1.30±0.04	0.14±0.01	1.37±0.04
	s	0.06	0.006	0.09	0.02	0.08
	CV	5.3	6.8	6.9	14.7	6.0
Camel Lights king size filter soft pack	$\bar{X}$	1.09±0.02	0.078±0.002	1.59±0.04	0.12±0.01	1.29±0.03
	s	0.04	0.004	0.09	0.01	0.06
	CV	4.1	4.8	5.6	9.9	4.4
Camel Lights 100's 100 mm filter soft pack	$\bar{X}$	1.13±0.03	0.078±0.002	1.29±0.04	0.12±0.01	1.32±0.03
	s	0.06	0.004	0.10	0.01	0.07
	CV	5.2	5.1	7.4	11.9	5.6

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Source: https://www.industrydocuments.ucsf.edu/docs/zfbl0001

Brands		Tar mg/puff	Nicotine mg/puff	CO mg/puff	Water mg/puff	TPM mg/puff
Carlton king size filter hard pack	$\bar{X}$	<0.05	<0.002	0.01±0.005	0.00±0.003	<0.05
	s			0.01	0.01	
	CV			195.7	741.5	
Carlton king size filter soft pack	$\bar{X}$	0.15±0.01	0.019±0.001	0.30±0.01	0.02±0.003	0.19±0.01
	s	0.01	0.002	0.02	0.01	0.01
	CV	9.2	12.4	6.5	40.6	7.9
Carlton king size filter menthol soft pack	$\bar{X}$	0.09±0.01	0.014±0.001	0.21±0.01	0.01±0.002	0.11±0.01
	s	0.01	0.002	0.02	0.004	0.02
	CV	16.8	10.8	10.4	45.1	13.7
Carlton 100's 100 mm filter hard pack	$\bar{X}$	0.10±0.01	0.016±0.002	0.14±0.01	0.01±0.004	0.13±0.01
	s	0.03	0.004	0.03	0.01	0.03
	CV	26.4	25.7	19.7	61.8	24.3
Carlton 100's 100 mm filter menthol hard pack	$\bar{X}$	0.11±0.01	0.016±0.001	0.15±0.01	0.01±0.003	0.14±0.01
	s	0.03	0.003	0.02	0.01	0.03
	CV	23.7	16.2	14.7	57.7	20.9
Carlton 100's 100 mm filter soft pack	$\bar{X}$	0.48±0.03	0.045±0.002	0.66±0.05	0.05±0.005	0.57±0.04
	s	0.07	0.005	0.11	0.01	0.08
	CV	14.7	10.7	16.5	23.9	14.2
Carlton 100's 100 mm filter menthol soft pack	$\bar{X}$	0.61±0.03	0.055±0.002	0.84±0.05	0.05±0.004	0.72±0.04
	s	0.07	0.005	0.10	0.01	0.08
	CV	11.7	9.7	12.1	16.0	11.6
Carlton 120's 120 mm filter soft pack	$\bar{X}$	0.66±0.02	0.061±0.002	0.57±0.02	0.06±0.003	0.78±0.03
	s	0.06	0.004	0.06	0.01	0.06
	CV	8.4	6.6	9.9	12.8	8.2

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Brands		Tar mg/puff	Nicotine mg/puff	CO mg/puff	Water mg/puff	TPM mg/puff
Carlton 120's 120 mm filter menthol soft pack	$\bar{X}$ s CV	0.64±0.02 0.05 7.1	0.061±0.002 0.004 6.5	0.54±0.03 0.06 11.1	0.06±0.003 0.01 11.6	0.76±0.02 0.05 7.1
Carlton Slims 100's 100 mm filter hard pack	$\bar{X}$ s CV	0.67±0.03 0.07 10.5	0.058±0.002 0.004 6.8	0.80±0.04 0.08 9.9	0.06±0.01 0.01 18.4	0.79±0.04 0.08 10.5
Carlton Slims 100's 100 mm filter menthol hard pack	$\bar{X}$ s CV	0.65±0.01 0.03 4.8	0.058±0.002 0.003 5.8	0.78±0.02 0.05 6.5	0.06±0.002 0.004 6.7	0.77±0.01 0.03 4.3
Century (25) king size filter soft pack	$\bar{X}$ s CV	1.87±0.02 0.05 2.9	0.119±0.002 0.004 3.2	2.07±0.04 0.10 4.7	0.30±0.02 0.04 12.8	2.29±0.03 0.07 3.2
Century 100's (25) 100 mm filter soft pack	$\bar{X}$ s CV	1.69±0.02 0.04 2.2	0.113±0.001 0.003 2.9	1.98±0.03 0.06 3.0	0.20±0.01 0.02 11.2	2.01±0.02 0.05 2.4
Century Lights (25) king size filter soft pack	$\bar{X}$ s CV	1.19±0.02 0.05 4.2	0.085±0.002 0.004 5.2	1.48±0.03 0.07 4.8	0.14±0.01 0.02 14.1	1.42±0.03 0.06 4.5
Century Lights 100's (25) 100 mm filter soft pack	$\bar{X}$ s CV	1.23±0.02 0.04 3.2	0.089±0.001 0.003 3.7	1.38±0.03 0.06 4.1	0.12±0.004 0.01 6.8	1.44±0.02 0.05 3.3
Century Lights 100's (25) 100 mm filter menthol soft pack	$\bar{X}$ s CV	1.18±0.02 0.04 3.2	0.083±0.001 0.003 3.9	1.33±0.03 0.06 4.7	0.12±0.003 0.01 6.4	1.39±0.02 0.04 3.2

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Brands		Tar mg/puff	Nicotine mg/puff	CO mg/puff	Water mg/puff	TPM mg/puff
Chesterfield regular size non-filter soft pack	$\bar{X}$ s CV	2.87±0.12 0.26 9.0	0.175±0.004 0.009 5.0	1.88±0.06 0.12 6.6	0.47±0.02 0.04 7.6	3.51±0.12 0.27 7.6
Chesterfield king size non-filter soft pack	$\bar{X}$ s CV	2.58±0.05 0.10 4.0	0.165±0.002 0.005 3.2	1.73±0.05 0.11 6.1	0.36±0.02 0.04 11.0	3.11±0.06 0.14 4.4
Concord (Open) king size filter menthol soft pack	$\bar{X}$ s CV	0.63±0.05 0.11 17.9	0.048±0.003 0.007 13.9	0.51±0.05 0.12 22.9	0.06±0.01 0.01 23.3	0.73±0.06 0.13 17.9
Concord (Close) king size filter menthol soft pack	$\bar{X}$ s CV	1.80±0.03 0.07 4.0	0.107±0.002 0.005 4.7	1.72±0.04 0.10 5.8	0.23±0.01 0.02 10.2	2.14±0.04 0.08 4.0
Dorado king size filter soft pack	$\bar{X}$ s CV	2.05±0.05 0.10 5.0	0.129±0.002 0.004 3.0	2.09±0.04 0.10 4.7	0.43±0.03 0.07 17.1	2.61±0.07 0.16 6.3
Doral Filter Lights king size filter soft pack	$\bar{X}$ s CV	1.90±0.03 0.07 3.6	0.109±0.002 0.005 4.8	2.27±0.05 0.12 5.3	0.33±0.02 0.05 15.3	2.34±0.05 0.10 4.3
Doral Filter Lights king size filter menthol soft pack	$\bar{X}$ s CV	1.94±0.03 0.07 3.8	0.108±0.003 0.007 6.7	2.33±0.05 0.11 4.9	0.35±0.03 0.08 22.3	2.39±0.06 0.13 5.4
Doral 100's Filter Lights 100 mm filter soft pack	$\bar{X}$ s CV	1.41±0.03 0.06 4.2	0.092±0.002 0.004 4.7	1.61±0.03 0.06 3.7	0.16±0.01 0.02 10.7	1.66±0.03 0.07 4.3

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Brands		Tar mg/puff	Nicotine mg/puff	CO mg/puff	Water mg/puff	TPM mg/puff
Doral 100's Filter Lights	$\bar{X}$	1.51±0.02	0.095±0.002	1.73±0.03	0.17±0.01	1.77±0.03
100 mm	s	0.05	0.004	0.07	0.02	0.07
filter menthol	CV	3.3	4.3	4.0	12.0	3.7
soft pack						
Dunhill Deluxe Lights Kings	$\bar{X}$	1.56±0.02	0.111±0.002	1.49±0.04	0.20±0.01	1.87±0.03
king size	s	0.05	0.005	0.08	0.02	0.07
filter	CV	3.1	4.1	5.7	11.8	3.7
hard pack						
Dunhill Deluxe Lights 100's	$\bar{X}$	1.20±0.02	0.091±0.001	1.15±0.02	0.12±0.01	1.42±0.02
100 mm	s	0.03	0.003	0.05	0.01	0.04
filter	CV	2.9	3.6	4.3	9.9	3.2
hard pack						
English Ovals	$\bar{X}$	2.61±0.04	0.181±0.004	1.66±0.03	0.38±0.03	3.16±0.06
regular size	s	0.10	0.01	0.06	0.06	0.13
non-filter	CV	3.7	5.3	3.8	15.0	4.2
hard pack						
English Ovals	$\bar{X}$	2.27±0.06	0.162±0.004	1.48±0.04	0.25±0.01	2.68±0.07
king size	s	0.13	0.009	0.09	0.02	0.15
non-filter	CV	5.7	5.4	5.9	9.1	5.6
hard pack						
Eve Slim Lights 100's	$\bar{X}$	1.57±0.03	0.118±0.003	1.36±0.03	0.29±0.02	1.98±0.05
100 mm	s	0.07	0.007	0.07	0.04	0.10
filter	CV	4.2	6.2	5.4	12.5	5.2
hard pack						
Eve Slim Lights 100's	$\bar{X}$	1.59±0.04	0.117±0.003	1.40±0.04	0.30±0.03	2.01±0.06
100 mm	s	0.08	0.007	0.09	0.07	0.14
filter menthol	CV	5.3	5.7	6.4	22.3	7.1
hard pack						
Eve Lights 120's	$\bar{X}$	0.96±0.03	0.076±0.002	0.89±0.03	0.09±0.004	1.12±0.03
120 mm	s	0.06	0.004	0.07	0.01	0.07
filter	CV	6.4	5.9	7.5	11.5	6.6
hard pack						

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Source: https://www.industrydocuments.ucsf.edu/docs/zfbl0001

Brands		Tar mg/puff	Nicotine mg/puff	CO mg/puff	Water mg/puff	TPM mg/puff
Eve Lights 120's 120 mm filter menthol hard pack	$\bar{X}$ s CV	0.95±0.03 0.07 7.9	0.075±0.003 0.006 7.7	0.88±0.03 0.07 8.2	0.09±0.004 0.01 11.1	1.11±0.04 0.09 8.0
Fiesta king size filter soft pack	$\bar{X}$ s CV	2.22±0.04 0.08 3.8	0.097±0.002 0.004 3.8	2.64±0.05 0.11 4.3	0.46±0.02 0.05 11.2	2.77±0.05 0.12 4.2
Galaxy king size filter soft pack	$\bar{X}$ s CV	1.85±0.03 0.06 3.5	0.125±0.002 0.005 4.3	1.95±0.05 0.10 5.3	0.26±0.01 0.03 10.0	2.23±0.04 0.08 3.6
Half & Half king size filter soft pack	$\bar{X}$ s CV	1.84±0.05 0.11 5.8	0.129±0.004 0.008 6.2	1.67±0.06 0.13 7.8	0.36±0.02 0.05 13.6	2.33±0.06 0.14 6.2
Herbert Tareyton king size non-filter soft pack	$\bar{X}$ s CV	2.83±0.06 0.14 4.9	0.179±0.003 0.006 3.6	1.94±0.06 0.14 7.2	0.41±0.02 0.05 11.5	3.41±0.08 0.18 5.2
Iceberg 100's 100 mm filter menthol soft pack	$\bar{X}$ s CV	0.52±0.02 0.05 9.7	0.046±0.002 0.004 9.3	0.78±0.03 0.08 9.7	0.05±0.004 0.01 17.5	0.62±0.03 0.06 9.6
Kent Micronite II king size filter hard pack	$\bar{X}$ s CV	1.55±0.04 0.08 5.1	0.112±0.002 0.005 4.6	1.62±0.05 0.11 6.5	0.24±0.02 0.04 15.0	1.90±0.05 0.11 5.6
Kent Micronite II king size filter soft pack	$\bar{X}$ s CV	1.55±0.03 0.07 4.6	0.112±0.003 0.006 5.2	1.59±0.04 0.09 5.9	0.24±0.02 0.04 15.0	1.90±0.05 0.10 5.5

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Brands		Tar mg/puff	Nicotine mg/puff	CO mg/puff	Water mg/puff	TPM mg/puff
Kent Micronite II 100s 100 mm filter soft pack	$\bar{X}$ s CV	1.46±0.05 0.12 8.0	0.112±0.003 0.007 6.4	1.37±0.06 0.13 9.3	0.16±0.01 0.02 14.6	1.74±0.06 0.14 8.3
Kent Micronite II 100s 100 mm filter menthol soft pack	$\bar{X}$ s CV	1.70±0.02 0.05 3.2	0.133±0.001 0.003 2.4	1.62±0.04 0.08 5.0	0.22±0.01 0.02 8.3	2.05±0.03 0.06 3.1
Kent Golden Lights king size filter hard pack	$\bar{X}$ s CV	1.48±0.04 0.08 5.5	0.117±0.003 0.006 5.3	1.72±0.05 0.11 6.6	0.21±0.02 0.03 16.5	1.80±0.05 0.11 6.2
Kent Golden Lights king size filter soft pack	$\bar{X}$ s CV	1.25±0.03 0.07 5.2	0.105±0.002 0.004 4.3	1.45±0.05 0.11 7.6	0.14±0.01 0.02 14.6	1.50±0.04 0.08 5.5
Kent Golden Lights king size filter menthol soft pack	$\bar{X}$ s CV	1.14±0.04 0.09 8.0	0.098±0.003 0.007 6.7	1.26±0.06 0.13 10.2	0.12±0.01 0.02 13.3	1.35±0.05 0.11 8.1
Kent Golden Lights 100s 100 mm filter hard pack	$\bar{X}$ s CV	1.13±0.04 0.09 8.3	0.095±0.003 0.006 6.6	1.29±0.07 0.15 11.3	0.12±0.01 0.02 14.9	1.34±0.05 0.12 8.7
Kent Golden Lights 100s 100 mm filter soft pack	$\bar{X}$ s CV	1.06±0.03 0.07 6.2	0.091±0.002 0.005 5.4	1.17±0.04 0.09 8.1	0.10±0.005 0.01 9.9	1.25±0.03 0.08 6.2
Kent Golden Lights 100s 100 mm filter menthol soft pack	$\bar{X}$ s CV	0.97±0.04 0.09 9.5	0.084±0.002 0.005 6.3	1.07±0.06 0.13 12.3	0.09±0.01 0.01 14.5	1.15±0.05 0.11 9.6

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Source: https://www.industrydocuments.ucsf.edu/docs/zfbl0001

Brands		Tar mg/puff	Nicotine mg/puff	CO mg/puff	Water mg/puff	TPM mg/puff
Kent III king size filter soft pack	$\bar{X}$ s CV	0.45±0.03 0.07 15.8	0.052±0.003 0.007 13.3	0.58±0.04 0.09 16.0	0.04±0.004 0.01 26.7	0.53±0.04 0.08 15.5
Kent III 100s 100 mm filter hard pack	$\bar{X}$ s CV	0.58±0.02 0.04 7.1	0.061±0.002 0.005 7.8	0.81±0.03 0.08 9.6	0.04±0.002 0.004 8.7	0.68±0.02 0.05 7.0
Kent III 100s 100 mm filter soft pack	$\bar{X}$ s CV	0.49±0.03 0.06 13.2	0.053±0.003 0.006 11.7	0.67±0.04 0.09 13.4	0.04±0.004 0.01 22.2	0.57±0.03 0.08 13.1
Kool regular size non-filter menthol soft pack	$\bar{X}$ s CV	3.41±0.17 0.39 11.3	0.186±0.005 0.011 5.9	2.32±0.06 0.12 5.4	0.53±0.03 0.08 14.5	4.12±0.19 0.43 10.4
Kool king size filter menthol hard pack	$\bar{X}$ s CV	2.28±0.04 0.09 4.0	0.148±0.003 0.006 4.2	2.38±0.04 0.09 3.6	0.58±0.04 0.08 13.8	3.01±0.06 0.14 4.6
Kool king size filter menthol soft pack	$\bar{X}$ s CV	2.39±0.04 0.09 4.0	0.157±0.003 0.006 3.8	2.43±0.06 0.12 5.1	0.55±0.03 0.07 13.1	3.10±0.06 0.14 4.6
Kool (25) king size filter menthol soft pack	$\bar{X}$ s CV	2.38±0.03 0.07 3.1	0.154±0.003 0.006 4.1	2.45±0.06 0.14 5.9	0.57±0.04 0.08 14.6	3.11±0.07 0.15 4.7
Kool Lights king size filter menthol soft pack	$\bar{X}$ s CV	1.33±0.03 0.06 4.4	0.099±0.002 0.003 3.5	1.40±0.02 0.04 3.1	0.17±0.01 0.02 14.4	1.60±0.03 0.07 4.6

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Source: https://www.industrydocuments.ucsf.edu/docs/zfbl0001

Brands		Tar mg/puff	Nicotine mg/puff	CO mg/puff	Water mg/puff	TPM mg/puff
Kool Lights 100's	$\bar{X}$	1.15±0.03	0.089±0.002	1.10±0.04	0.11±0.005	1.35±0.03
100 mm	s	0.06	0.004	0.09	0.01	0.08
filter menthol	CV	5.6	4.5	8.5	10.1	5.7
soft pack						
Kool Milds	$\bar{X}$	1.69±0.03	0.119±0.003	1.89±0.03	0.22±0.01	2.03±0.04
king size	s	0.08	0.006	0.07	0.01	0.09
filter menthol	CV	4.5	4.7	3.8	6.4	4.4
soft pack						
Kool Milds (25)	$\bar{X}$	1.66±0.03	0.115±0.002	1.91±0.04	0.22±0.01	1.99±0.04
king size	s	0.07	0.005	0.08	0.03	0.09
filter menthol	CV	4.2	4.1	4.4	15.0	4.7
soft pack						
Kool Milds 100's	$\bar{X}$	1.38±0.02	0.099±0.002	1.57±0.04	0.14±0.01	1.62±0.03
100 mm	s	0.05	0.004	0.08	0.01	0.07
filter menthol	CV	4.0	4.2	5.2	9.2	4.0
soft pack						
Kool Super Longs 100's	$\bar{X}$	1.96±0.03	0.137±0.003	2.06±0.04	0.31±0.02	2.40±0.04
100 mm	s	0.06	0.006	0.10	0.04	0.09
filter menthol	CV	3.0	4.7	4.6	14.5	3.6
soft pack						
Kool Ultra	$\bar{X}$	0.26±0.03	0.026±0.002	0.27±0.02	0.02±0.002	0.31±0.03
king size	s	0.07	0.005	0.05	0.01	0.08
filter menthol	CV	26.0	21.2	19.9	23.0	24.9
soft pack						
Kool Ultra 100's	$\bar{X}$	0.52±0.03	0.045±0.002	0.55±0.03	0.04±0.003	0.61±0.03
100 mm	s	0.06	0.005	0.06	0.01	0.07
filter menthol	CV	10.9	11.1	10.3	15.7	10.8
soft pack						
L & M	$\bar{X}$	2.03±0.04	0.135±0.003	2.07±0.04	0.46±0.04	2.62±0.07
king size	s	0.09	0.006	0.09	0.08	0.15
filter	CV	4.5	4.7	4.5	17.8	5.8
hard pack						

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Source: https://www.industrydocuments.ucsf.edu/docs/zfbl0001

Brands		Tar mg/puff	Nicotine mg/puff	CO mg/puff	Water mg/puff	TPM mg/puff
L & M king size filter soft pack	$\bar{X}$ s CV	1.94±0.04 0.10 5.1	0.132±0.003 0.006 4.8	1.99±0.05 0.11 5.4	0.40±0.04 0.08 20.9	2.47±0.07 0.17 6.7
L & M Lights king size filter soft pack	$\bar{X}$ s CV	1.34±0.03 0.07 5.6	0.112±0.002 0.005 4.7	1.26±0.04 0.10 7.5	0.15±0.01 0.02 13.4	1.60±0.04 0.10 5.9
L & M Long Lights 100 mm filter soft pack	$\bar{X}$ s CV	0.88±0.03 0.06 6.5	0.083±0.003 0.006 7.8	0.77±0.02 0.06 7.1	0.07±0.002 0.01 7.4	1.03±0.03 0.07 6.4
L & M Super Kings 100 mm filter soft pack	$\bar{X}$ s CV	1.70±0.04 0.10 5.6	0.124±0.003 0.006 5.2	1.82±0.06 0.14 7.5	0.25±0.01 0.03 10.5	2.08±0.05 0.12 5.9
Lark king size filter soft pack	$\bar{X}$ s CV	2.06±0.04 0.09 4.4	0.139±0.003 0.006 4.3	2.17±0.06 0.12 5.8	0.44±0.04 0.08 17.8	2.64±0.07 0.16 6.1
Lark 100 mm filter soft pack	$\bar{X}$ s CV	1.92±0.04 0.09 4.7	0.131±0.003 0.007 5.1	2.11±0.04 0.10 4.7	0.34±0.02 0.04 11.1	2.39±0.06 0.12 5.2
Lark Lights king size filter soft pack	$\bar{X}$ s CV	1.95±0.04 0.08 4.1	0.141±0.003 0.007 4.9	2.02±0.05 0.11 5.5	0.44±0.02 0.05 11.7	2.53±0.05 0.12 4.8
Lark Lights 100's 100 mm filter soft pack	$\bar{X}$ s CV	1.73±0.03 0.06 3.3	0.132±0.003 0.007 5.1	1.82±0.05 0.11 6.3	0.29±0.01 0.03 9.7	2.16±0.03 0.07 3.3

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Source: https://www.industrydocuments.ucsf.edu/docs/zfbl0001

Brands		Tar mg/puff	Nicotine mg/puff	CO mg/puff	Water mg/puff	TPM mg/puff
Lucky Strike regular size non-filter soft pack	$\bar{X}$ s CV	3.27±0.07 0.16 4.9	0.188±0.003 0.008 4.1	2.33±0.05 0.10 4.4	0.56±0.02 0.05 9.1	4.03±0.08 0.18 4.4
Lucky Strike king size filter hard pack	$\bar{X}$ s CV	1.53±0.02 0.05 3.5	0.112±0.002 0.004 3.5	1.62±0.03 0.08 4.8	0.19±0.01 0.02 11.4	1.83±0.03 0.07 3.8
Lucky Strike king size filter soft pack	$\bar{X}$ s CV	1.45±0.03 0.07 4.8	0.105±0.002 0.005 5.1	1.59±0.03 0.08 4.9	0.17±0.01 0.02 12.8	1.73±0.04 0.09 5.3
Lucky Strike Filters 100's 100 mm filter soft pack	$\bar{X}$ s CV	1.19±0.03 0.08 6.3	0.092±0.003 0.006 6.2	1.29±0.04 0.09 6.9	0.11±0.01 0.01 10.2	1.40±0.04 0.09 6.5
Lucky Strike Menthol 100's 100 mm filter menthol soft pack	$\bar{X}$ s CV	1.16±0.02 0.05 4.5	0.089±0.001 0.003 3.7	1.23±0.03 0.07 5.5	0.11±0.01 0.01 10.2	1.36±0.03 0.06 4.6
Lucky Strike Lights king size filter soft pack	$\bar{X}$ s CV	1.06±0.03 0.07 6.5	0.081±0.002 0.004 5.5	1.33±0.04 0.10 7.4	0.12±0.01 0.02 13.1	1.26±0.04 0.09 6.8
Lucky Strike Lights 100's 100 mm filter soft pack	$\bar{X}$ s CV	0.90±0.03 0.06 6.4	0.072±0.002 0.004 6.2	1.03±0.03 0.06 5.9	0.09±0.003 0.01 8.0	1.06±0.03 0.07 6.2
Marlboro king size filter hard pack	$\bar{X}$ s CV	2.00±0.02 0.04 2.2	0.122±0.002 0.004 3.4	1.80±0.03 0.07 4.1	0.42±0.02 0.04 9.1	2.54±0.03 0.07 2.7

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Source: https://www.industrydocuments.ucsf.edu/docs/zfbl0001

Brands		Tar mg/puff	Nicotine mg/puff	CO mg/puff	Water mg/puff	TPM mg/puff
Marlboro king size filter soft pack	$\bar{X}$	1.86±0.03	0.114±0.002	1.68±0.04	0.33±0.02	2.30±0.05
	s	0.07	0.005	0.08	0.05	0.11
	CV	3.9	4.2	5.0	15.7	4.8
Marlboro 25's king size filter soft pack	$\bar{X}$	1.87±0.03	0.118±0.001	1.69±0.03	0.34±0.02	2.32±0.05
	s	0.06	0.003	0.07	0.05	0.10
	CV	3.4	2.6	4.2	14.7	4.3
Marlboro king size filter menthol soft pack	$\bar{X}$	1.85±0.02	0.115±0.001	1.63±0.02	0.34±0.02	2.31±0.04
	s	0.05	0.003	0.06	0.04	0.08
	CV	2.7	2.6	3.4	10.7	3.4
Marlboro 100's 100 mm filter hard pack	$\bar{X}$	1.74±0.03	0.112±0.002	1.68±0.05	0.21±0.01	2.06±0.04
	s	0.07	0.004	0.11	0.03	0.09
	CV	3.9	3.5	6.7	12.9	4.4
Marlboro 100's 100 mm filter soft pack	$\bar{X}$	1.66±0.03	0.106±0.002	1.56±0.03	0.20±0.01	1.97±0.03
	s	0.06	0.004	0.08	0.03	0.08
	CV	3.6	4.1	5.0	14.1	3.9
Marlboro Lights king size filter hard pack	$\bar{X}$	1.33±0.02	0.091±0.002	1.42±0.04	0.16±0.01	1.58±0.02
	s	0.04	0.005	0.08	0.01	0.05
	CV	3.3	5.4	5.7	9.1	3.4
Marlboro Lights king size filter soft pack	$\bar{X}$	1.32±0.02	0.090±0.002	1.41±0.04	0.16±0.01	1.57±0.03
	s	0.06	0.004	0.08	0.02	0.07
	CV	4.2	4.3	5.5	11.8	4.5
Marlboro Lights 25's king size filter soft pack	$\bar{X}$	1.39±0.03	0.095±0.002	1.46±0.03	0.16±0.01	1.65±0.04
	s	0.08	0.005	0.08	0.02	0.09
	CV	5.4	5.4	5.2	10.7	5.7

PM3000762404

Source: https://www.industrydocuments.ucsf.edu/docs/zfbl0001

Brands		Tar mg/puff	Nicotine mg/puff	CO mg/puff	Water mg/puff	TPM mg/puff
Marlboro Lights 100's	$\bar{X}$	1.07±0.01	0.075±0.001	1.24±0.02	0.11±0.004	1.26±0.02
100 mm	s	0.03	0.003	0.05	0.01	0.04
filter	CV	3.1	4.2	3.9	8.6	3.2
soft pack						
Max 120s	$\bar{X}$	1.72±0.05	0.139±0.003	1.67±0.05	0.25±0.02	2.11±0.07
120 mm	s	0.10	0.007	0.11	0.04	0.15
filter	CV	6.1	4.8	6.8	17.3	6.9
soft pack						
Max 120s	$\bar{X}$	1.68±0.03	0.134±0.002	1.63±0.04	0.24±0.01	2.05±0.03
120 mm	s	0.07	0.005	0.10	0.02	0.08
filter menthol	CV	4.0	3.7	6.0	8.9	3.8
soft pack						
Merit	$\bar{X}$	1.02±0.02	0.071±0.001	1.27±0.03	0.12±0.01	1.21±0.02
king size	s	0.04	0.003	0.07	0.01	0.05
filter	CV	4.0	4.3	5.5	10.0	4.2
hard pack						
Merit	$\bar{X}$	1.00±0.02	0.071±0.001	1.24±0.02	0.11±0.005	1.18±0.02
king size	s	0.03	0.003	0.05	0.01	0.04
filter	CV	3.5	4.3	4.1	9.9	3.8
soft pack						
Merit	$\bar{X}$	0.98±0.02	0.070±0.002	1.23±0.03	0.11±0.01	1.16±0.02
king size	s	0.04	0.004	0.07	0.01	0.05
filter menthol	CV	4.1	5.9	6.0	12.1	4.3
soft pack						
Merit 100's	$\bar{X}$	1.05±0.02	0.074±0.002	1.27±0.04	0.11±0.004	1.24±0.02
100 mm	s	0.04	0.003	0.09	0.01	0.05
filter	CV	3.8	4.5	7.4	7.2	3.9
soft pack						
Merit 100's	$\bar{X}$	1.02±0.02	0.072±0.001	1.20±0.03	0.11±0.003	1.20±0.03
100 mm	s	0.05	0.003	0.07	0.01	0.06
filter menthol	CV	5.0	4.2	6.2	7.0	4.9
soft pack						

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Source: https://www.industrydocuments.ucsf.edu/docs/zfbl0001

Brands		Tar mg/puff	Nicotine mg/puff	CO mg/puff	Water mg/puff	TPM mg/puff
Merit Ultra Lights king size filter soft pack	$\bar{X}$	0.67±0.02	0.054±0.001	0.87±0.03	0.06±0.004	0.78±0.02
	s	0.05	0.003	0.06	0.01	0.05
	CV	6.8	4.9	7.2	14.8	6.7
Merit Ultra Lights king size filter menthol soft pack	$\bar{X}$	0.52±0.02	0.045±0.001	0.64±0.02	0.05±0.003	0.61±0.02
	s	0.04	0.003	0.05	0.01	0.04
	CV	6.8	7.2	7.1	13.5	6.7
Merit Ultra Lights 100's 100 mm filter soft pack	$\bar{X}$	0.59±0.02	0.049±0.002	0.79±0.03	0.05±0.003	0.69±0.03
	s	0.05	0.004	0.06	0.01	0.06
	CV	8.3	8.4	7.7	11.5	8.2
Merit Ultra Lights 100's 100 mm filter menthol soft pack	$\bar{X}$	0.49±0.01	0.041±0.001	0.65±0.02	0.04±0.003	0.58±0.02
	s	0.03	0.003	0.04	0.01	0.04
	CV	6.6	6.2	5.4	15.5	6.4
Montclair king size filter menthol soft pack	$\bar{X}$	2.08±0.04	0.133±0.003	2.13±0.05	0.51±0.02	2.73±0.06
	s	0.09	0.007	0.12	0.05	0.13
	CV	4.2	5.2	5.6	10.7	4.6
More 120s 120 mm filter soft pack	$\bar{X}$	1.33±0.03	0.091±0.002	1.63±0.05	0.13±0.01	1.55±0.04
	s	0.07	0.004	0.11	0.02	0.08
	CV	5.0	4.7	6.9	13.2	5.2
More 120s 120 mm filter menthol soft pack	$\bar{X}$	1.31±0.03	0.094±0.002	1.61±0.05	0.12±0.005	1.53±0.03
	s	0.07	0.005	0.10	0.01	0.07
	CV	5.1	5.4	6.3	8.4	4.7
More Lights 100s 100 mm filter hard pack	$\bar{X}$	0.97±0.02	0.078±0.001	1.00±0.03	0.11±0.004	1.15±0.02
	s	0.04	0.003	0.07	0.01	0.05
	CV	4.4	4.2	6.5	8.2	4.5

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Source: https://www.industrydocuments.ucsf.edu/docs/zfbl0001

Brands		Tar mg/puff	Nicotine mg/puff	CO mg/puff	Water mg/puff	TPM mg/puff
More Lights 100s 100 mm filter menthol hard pack	$\bar{X}$ s CV	0.99±0.02 0.05 4.6	0.075±0.002 0.004 4.7	1.07±0.02 0.05 5.0	0.09±0.005 0.01 10.8	1.16±0.02 0.05 4.3
Newport king size filter menthol hard pack	$\bar{X}$ s CV	2.19±0.03 0.08 3.5	0.155±0.003 0.007 4.2	2.36±0.06 0.13 5.6	0.54±0.03 0.06 11.6	2.88±0.06 0.12 4.3
Newport king size filter menthol soft pack	$\bar{X}$ s CV	2.16±0.04 0.08 3.9	0.154±0.003 0.006 4.1	2.31±0.04 0.10 4.1	0.54±0.04 0.09 16.3	2.85±0.07 0.16 5.6
Newport (25) king size filter menthol soft pack	$\bar{X}$ s CV	2.17±0.03 0.08 3.6	0.154±0.002 0.004 2.8	2.31±0.06 0.13 5.5	0.53±0.03 0.07 13.6	2.85±0.06 0.14 5.0
Newport 100's 100 mm filter menthol hard pack	$\bar{X}$ s CV	2.23±0.03 0.08 3.5	0.164±0.002 0.005 3.1	2.19±0.05 0.10 4.6	0.38±0.02 0.04 10.9	2.77±0.05 0.11 3.8
Newport 100's 100 mm filter menthol soft pack	$\bar{X}$ s CV	2.24±0.04 0.08 3.5	0.161±0.002 0.005 3.2	2.28±0.04 0.09 4.0	0.38±0.02 0.03 9.1	2.78±0.05 0.10 3.7
Newport 100's (25) 100 mm filter menthol soft pack	$\bar{X}$ s CV	2.25±0.05 0.10 4.5	0.164±0.003 0.007 4.1	2.20±0.06 0.13 5.9	0.39±0.02 0.05 12.3	2.80±0.06 0.13 4.7
Newport Lights king size filter menthol hard pack	$\bar{X}$ s CV	1.40±0.04 0.10 6.9	0.113±0.003 0.008 6.7	1.63±0.06 0.13 7.7	0.19±0.01 0.03 16.6	1.71±0.06 0.13 7.6

PM3000762407

Source: https://www.industrydocuments.ucsf.edu/docs/zfbl0001

Brands		Tar mg/puff	Nicotine mg/puff	CO mg/puff	Water mg/puff	TPM mg/puff
Newport Lights king size filter menthol soft pack	$\bar{X}$ s CV	1.26±0.05 0.10 8.2	0.105±0.003 0.007 6.4	1.49±0.06 0.14 9.7	0.14±0.01 0.02 17.7	1.51±0.06 0.13 8.6
Newport Lights 100's 100 mm filter menthol hard pack	$\bar{X}$ s CV	1.11±0.04 0.09 7.9	0.094±0.003 0.007 7.1	1.27±0.06 0.14 10.8	0.12±0.01 0.02 13.5	1.32±0.05 0.11 8.1
Newport Lights 100's 100 mm filter menthol soft pack	$\bar{X}$ s CV	1.02±0.03 0.07 6.4	0.089±0.003 0.006 6.5	1.14±0.05 0.11 9.2	0.10±0.004 0.01 9.2	1.21±0.04 0.08 6.5
Now king size filter hard pack	$\bar{X}$ s CV	<0.05	<0.002	0.01±0.004 0.01 89.4	<0.05	<0.05
Now king size filter soft pack	$\bar{X}$ s CV	0.16±0.02 0.03 20.8	0.021±0.001 0.003 13.5	0.35±0.01 0.03 9.1	0.01±0.003 0.01 57.2	0.20±0.02 0.04 19.2
Now king size filter menthol soft pack	$\bar{X}$ s CV	0.15±0.01 0.02 12.0	0.019±0.001 0.003 14.6	0.34±0.02 0.04 11.4	0.02±0.003 0.01 44.1	0.18±0.01 0.02 10.8
Now 100s 100 mm filter hard pack	$\bar{X}$ s CV	<0.05	<0.002	0.02±0.005 0.01 58.2	0.00±0.003 0.01 425.1	<0.05
Now 100s 100 mm filter soft pack	$\bar{X}$ s CV	0.36±0.01 0.03 8.4	0.035±0.001 0.003 8.1	0.58±0.02 0.05 7.8	0.03±0.003 0.01 24.0	0.42±0.01 0.03 8.0

PM3000762408

Source: https://www.industrydocuments.ucsf.edu/docs/zfbl0001

Brands		Tar mg/puff	Nicotine mg/puff	CO mg/puff	Water mg/puff	TPM mg/puff
Now 100s 100 mm filter menthol soft pack	$\bar{X}$ s CV	0.36±0.01 0.03 9.0	0.033±0.001 0.003 9.8	0.58±0.02 0.05 8.7	0.03±0.002 0.005 18.6	0.41±0.02 0.04 9.1
Old Gold Straights king size non-filter soft pack	$\bar{X}$ s CV	2.94±0.05 0.12 4.0	0.180±0.003 0.007 4.0	2.09±0.04 0.09 4.2	0.46±0.02 0.04 9.4	3.59±0.06 0.14 3.9
Old Gold Filters king size filter soft pack	$\bar{X}$ s CV	2.17±0.04 0.09 4.1	0.152±0.003 0.007 4.5	2.33±0.05 0.11 4.6	0.48±0.03 0.06 12.3	2.80±0.06 0.14 4.9
Old Gold Filter 100's 100 mm filter soft pack	$\bar{X}$ s CV	2.24±0.04 0.10 4.5	0.163±0.002 0.005 3.0	2.19±0.05 0.12 5.5	0.38±0.02 0.04 11.6	2.79±0.06 0.13 4.7
Old Gold Lights king size filter soft pack	$\bar{X}$ s CV	1.27±0.04 0.08 6.2	0.114±0.003 0.006 5.4	1.45±0.06 0.13 8.8	0.14±0.01 0.02 13.7	1.53±0.05 0.10 6.6
Old Gold Lights 100s 100 mm filter soft pack	$\bar{X}$ s CV	1.46±0.03 0.07 4.7	0.109±0.002 0.005 4.8	2.03±0.05 0.12 5.8	0.19±0.01 0.02 12.2	1.76±0.04 0.09 4.9
Pall Mall king size non-filter soft pack	$\bar{X}$ s CV	2.62±0.05 0.12 4.4	0.159±0.004 0.008 5.2	1.88±0.04 0.10 5.2	0.37±0.02 0.04 12.2	3.15±0.07 0.15 4.9
Pall Mall king size filter soft pack	$\bar{X}$ s CV	2.02±0.03 0.06 3.2	0.130±0.002 0.005 3.8	2.03±0.03 0.07 3.3	0.46±0.03 0.06 13.8	2.62±0.05 0.12 4.5

PM3000762409

Source: https://www.industrydocuments.ucsf.edu/docs/zfbl0001

Brands		Tar mg/puff	Nicotine mg/puff	CO mg/puff	Water mg/puff	TPM mg/puff
Pall Mall 100's	$\bar{X}$	1.82±0.03	0.128±0.002	1.88±0.04	0.27±0.02	2.22±0.04
100 mm	s	0.07	0.005	0.09	0.03	0.10
filter	CV	3.7	4.1	5.0	13.0	4.5
soft pack						
Pall Mall Extra Light	$\bar{X}$	0.82±0.03	0.072±0.002	0.86±0.03	0.08±0.01	0.97±0.03
king size	s	0.06	0.004	0.06	0.01	0.07
filter	CV	6.8	5.9	7.2	17.7	7.4
soft pack						
Pall Mall Light 100's	$\bar{X}$	1.16±0.03	0.089±0.003	1.37±0.06	0.11±0.01	1.36±0.04
100 mm	s	0.07	0.006	0.13	0.01	0.09
filter	CV	6.4	6.6	9.2	11.1	6.5
soft pack						
Pall Mall Light 100's	$\bar{X}$	1.65±0.04	0.125±0.002	1.66±0.05	0.25±0.01	2.03±0.05
100 mm	s	0.08	0.005	0.11	0.03	0.11
filter menthol	CV	4.9	4.1	6.4	13.2	5.5
soft pack						
Parliament Lights	$\bar{X}$	1.17±0.03	0.084±0.002	1.29±0.04	0.13±0.01	1.39±0.04
king size	s	0.07	0.004	0.08	0.02	0.09
filter	CV	6.3	5.3	6.1	12.4	6.5
hard pack						
Parliament Lights	$\bar{X}$	1.19±0.04	0.085±0.003	1.31±0.04	0.13±0.01	1.41±0.05
king size	s	0.08	0.006	0.09	0.02	0.11
filter	CV	7.0	6.7	7.2	13.1	7.4
soft pack						
Parliament Lights 100's	$\bar{X}$	1.26±0.03	0.091±0.002	1.37±0.03	0.14±0.01	1.49±0.03
100 mm	s	0.06	0.005	0.07	0.01	0.08
filter	CV	4.9	5.7	5.5	8.9	5.1
soft pack						
Philip Morris	$\bar{X}$	3.10±0.04	0.177±0.003	1.89±0.04	0.57±0.03	3.85±0.07
regular size	s	0.10	0.007	0.10	0.06	0.15
non-filter	CV	3.2	3.8	5.1	11.5	4.0
soft pack						

PM3000762410

Source: https://www.industrydocuments.ucsf.edu/docs/zfbl0001

Brands		Tar mg/puff	Nicotine mg/puff	CO mg/puff	Water mg/puff	TPM mg/puff
Philip Morris Commander king size non-filter soft pack	$\bar{X}$ s CV	2.97±0.05 0.11 3.6	0.171±0.003 0.006 3.5	1.80±0.05 0.11 6.0	0.46±0.03 0.07 14.6	3.60±0.07 0.15 4.3
Philip Morris International 100 mm filter hard pack	$\bar{X}$ s CV	1.71±0.02 0.04 2.6	0.108±0.001 0.003 2.6	1.54±0.02 0.05 3.4	0.22±0.01 0.03 12.2	2.04±0.03 0.07 3.2
Philip Morris International 100 mm filter menthol hard pack	$\bar{X}$ s CV	1.67±0.03 0.06 3.7	0.103±0.002 0.004 3.8	1.63±0.03 0.08 4.8	0.21±0.01 0.03 12.3	1.98±0.03 0.07 3.6
Picayune regular size non-filter soft pack	$\bar{X}$ s CV	2.76±0.06 0.13 4.9	0.183±0.003 0.008 4.2	2.22±0.05 0.12 5.2	0.37±0.04 0.08 22.0	3.32±0.08 0.18 5.3
Players regular size non-filter hard pack	$\bar{X}$ s CV	2.83±0.05 0.11 4.0	0.179±0.004 0.009 5.1	1.75±0.04 0.10 5.7	0.39±0.01 0.03 7.9	3.40±0.06 0.14 4.1
Players king size filter hard pack	$\bar{X}$ s CV	1.41±0.03 0.07 5.1	0.097±0.002 0.005 5.4	1.43±0.03 0.07 4.6	0.17±0.01 0.02 8.9	1.68±0.04 0.09 5.3
Players king size filter menthol hard pack	$\bar{X}$ s CV	1.43±0.03 0.07 5.0	0.094±0.003 0.006 6.3	1.40±0.03 0.07 5.0	0.18±0.01 0.02 10.0	1.71±0.04 0.09 5.1
Players 100's 100 mm filter hard pack	$\bar{X}$ s CV	1.67±0.03 0.07 4.5	0.108±0.003 0.006 5.3	1.60±0.05 0.11 6.7	0.20±0.01 0.02 12.2	1.98±0.04 0.09 4.8

PM3000762411

Source: https://www.industrydocuments.ucsf.edu/docs/zfbl0001

Brands		Tar mg/puff	Nicotine mg/puff	CO mg/puff	Water mg/puff	TPM mg/puff
Players 100's 100 mm filter menthol hard pack	$\bar{X}$ s CV	1.63±0.03 0.06 3.7	0.104±0.002 0.004 3.9	1.58±0.03 0.07 4.7	0.19±0.01 0.02 8.3	1.93±0.03 0.06 3.2
Players Lights 25's king size filter soft pack	$\bar{X}$ s CV	1.29±0.02 0.04 3.3	0.088±0.002 0.004 4.2	1.44±0.04 0.08 5.9	0.15±0.01 0.01 9.2	1.53±0.03 0.06 3.7
Players Lights 25's king size filter menthol soft pack	$\bar{X}$ s CV	1.28±0.02 0.05 3.6	0.087±0.002 0.004 4.7	1.44±0.03 0.06 4.2	0.14±0.01 0.01 8.5	1.51±0.02 0.05 3.5
Players 25's Lights 100's 100 mm filter soft pack	$\bar{X}$ s CV	1.16±0.02 0.04 3.9	0.079±0.002 0.003 4.3	1.32±0.03 0.06 4.5	0.12±0.003 0.01 6.6	1.35±0.02 0.05 3.6
Players 25's Lights 100's 100 mm filter menthol soft pack	$\bar{X}$ s CV	1.16±0.02 0.04 3.8	0.079±0.001 0.003 3.8	1.28±0.02 0.04 3.4	0.12±0.004 0.01 8.2	1.36±0.02 0.05 4.0
Raleigh Con Filtro regular size filter soft pack	$\bar{X}$ s CV	2.37±0.04 0.09 3.9	0.118±0.003 0.006 4.9	2.41±0.05 0.11 4.5	0.68±0.03 0.07 10.0	3.17±0.07 0.15 4.7
Raleigh king size non-filter soft pack	$\bar{X}$ s CV	2.93±0.05 0.11 3.7	0.157±0.003 0.007 4.7	2.21±0.06 0.13 6.0	0.41±0.02 0.05 11.4	3.50±0.06 0.13 3.7
Raleigh king size filter soft pack	$\bar{X}$ s CV	2.17±0.03 0.06 2.8	0.130±0.002 0.005 3.8	2.07±0.05 0.11 5.1	0.49±0.03 0.07 14.0	2.79±0.05 0.11 4.0

PM3000762412

Source: https://www.industrydocuments.ucsf.edu/docs/zfbl0001

Brands		Tar mg/puff	Nicotine mg/puff	CO mg/puff	Water mg/puff	TPM mg/puff
Raleigh 100's	$\bar{X}$	1.96±0.02	0.126±0.002	2.02±0.03	0.28±0.02	2.37±0.04
100 mm	s	0.05	0.005	0.07	0.04	0.08
filter	CV	2.8	3.6	3.6	13.3	3.4
soft pack						
Raleigh Lights	$\bar{X}$	1.39±0.02	0.099±0.002	1.66±0.04	0.17±0.01	1.65±0.03
king size	s	0.05	0.005	0.08	0.02	0.07
filter	CV	3.8	4.8	4.9	10.6	4.1
soft pack						
Raleigh Lights 100's	$\bar{X}$	1.15±0.02	0.084±0.002	1.40±0.04	0.12±0.004	1.36±0.03
100 mm	s	0.05	0.004	0.08	0.01	0.06
filter	CV	4.7	4.8	5.8	8.3	4.7
soft pack						
Richland (25)	$\bar{X}$	1.94±0.05	0.127±0.003	1.89±0.04	0.35±0.03	2.42±0.07
king size	s	0.10	0.006	0.09	0.06	0.15
filter	CV	5.3	4.9	4.6	16.8	6.4
soft pack						
Richland (25)	$\bar{X}$	2.34±0.04	0.145±0.003	2.27±0.05	0.56±0.04	3.04±0.06
king size	s	0.08	0.006	0.12	0.08	0.14
filter menthol	CV	3.4	4.3	5.1	14.9	4.6
soft pack						
Richland Lights (25)	$\bar{X}$	1.46±0.03	0.102±0.003	1.79±0.03	0.18±0.01	1.74±0.04
king size	s	0.07	0.006	0.08	0.02	0.09
filter	CV	4.9	6.0	4.4	12.4	5.3
soft pack						
Ritz	$\bar{X}$	1.21±0.02	0.088±0.002	1.35±0.04	0.13±0.005	1.42±0.03
100 mm	s	0.05	0.004	0.08	0.01	0.06
filter	CV	4.4	4.1	6.1	7.9	4.4
hard pack						
Ritz	$\bar{X}$	1.14±0.01	0.083±0.001	1.13±0.02	0.11±0.003	1.33±0.02
100 mm	s	0.03	0.003	0.04	0.01	0.04
filter menthol	CV	2.7	3.1	3.7	6.7	2.8
hard pack						

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Source: https://www.industrydocuments.ucsf.edu/docs/zfbl0001

Brands		Tar mg/puff	Nicotine mg/puff	CO mg/puff	Water mg/puff	TPM mg/puff
Salem king size filter menthol hard pack	$\bar{X}$	2.27±0.04	0.150±0.002	2.02±0.04	0.52±0.03	2.94±0.06
	s	0.09	0.005	0.09	0.06	0.14
	CV	4.1	3.2	4.7	11.3	4.9
Salem king size filter menthol soft pack	$\bar{X}$	2.17±0.04	0.128±0.002	2.54±0.05	0.48±0.03	2.77±0.06
	s	0.08	0.005	0.12	0.07	0.13
	CV	3.9	4.2	4.7	14.4	4.7
Salem 100's 100 mm filter menthol soft pack	$\bar{X}$	1.70±0.04	0.114±0.003	1.80±0.05	0.20±0.01	2.01±0.05
	s	0.09	0.006	0.12	0.03	0.12
	CV	5.4	5.3	6.4	14.8	5.9
Salem Lights king size filter menthol soft pack	$\bar{X}$	1.31±0.02	0.092±0.002	1.68±0.03	0.14±0.01	1.55±0.02
	s	0.05	0.004	0.07	0.01	0.06
	CV	3.7	4.6	4.2	10.3	3.6
Salem Lights 100's 100 mm filter menthol soft pack	$\bar{X}$	0.94±0.01	0.074±0.001	1.20±0.03	0.09±0.003	1.10±0.01
	s	0.03	0.003	0.07	0.01	0.03
	CV	3.0	3.8	5.5	7.4	3.0
Salem Slim Lights 100's 100 mm filter menthol hard pack	$\bar{X}$	0.95±0.04	0.072±0.002	1.07±0.05	0.10±0.01	1.13±0.05
	s	0.09	0.005	0.11	0.02	0.11
	CV	9.2	6.3	10.1	16.7	9.5
Salem Ultra Lights king size filter menthol soft pack	$\bar{X}$	0.70±0.02	0.056±0.002	1.08±0.03	0.07±0.003	0.82±0.02
	s	0.04	0.005	0.07	0.01	0.05
	CV	5.8	8.2	6.5	10.9	5.5
Salem Ultra Lights 100's 100 mm filter menthol soft pack	$\bar{X}$	0.51±0.02	0.042±0.001	0.83±0.02	0.05±0.003	0.59±0.02
	s	0.03	0.003	0.04	0.01	0.04
	CV	6.7	7.9	5.0	15.8	6.4

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Source: https://www.industrydocuments.ucsf.edu/docs/zfbl0001

Brands		Tar mg/puff	Nicotine mg/puff	CO mg/puff	Water mg/puff	TPM mg/puff
Saratoga 120's 120 mm filter hard pack	$\bar{X}$ s CV	1.22±0.01 0.03 2.7	0.083±0.001 0.003 3.5	1.17±0.02 0.04 3.8	0.13±0.01 0.01 11.3	1.43±0.02 0.04 2.9
Saratoga 120's 120 mm filter menthol hard pack	$\bar{X}$ s CV	1.22±0.02 0.05 4.0	0.083±0.002 0.004 4.7	1.19±0.03 0.08 6.5	0.13±0.01 0.02 12.7	1.44±0.03 0.06 4.3
Satin 100's 100 mm filter soft pack	$\bar{X}$ s CV	1.29±0.04 0.08 6.4	0.104±0.003 0.006 5.7	1.56±0.05 0.12 7.6	0.14±0.01 0.02 10.7	1.54±0.04 0.10 6.5
Satin 100's 100 mm filter menthol soft pack	$\bar{X}$ s CV	1.28±0.03 0.07 5.7	0.104±0.003 0.006 5.7	1.53±0.05 0.12 7.7	0.14±0.01 0.01 9.1	1.52±0.04 0.09 5.8
Silva Thins 100 mm filter hard pack	$\bar{X}$ s CV	1.15±0.01 0.03 2.6	0.092±0.002 0.004 4.7	1.21±0.02 0.05 3.8	0.11±0.005 0.01 9.5	1.36±0.02 0.04 3.1
Silva Thins 100 mm filter soft pack	$\bar{X}$ s CV	1.38±0.03 0.07 5.4	0.109±0.003 0.006 5.3	1.26±0.03 0.08 6.0	0.17±0.01 0.03 15.3	1.67±0.04 0.10 5.9
Silva Thins 100 mm filter menthol soft pack	$\bar{X}$ s CV	1.26±0.03 0.07 5.3	0.104±0.003 0.007 6.8	1.18±0.03 0.07 6.3	0.14±0.01 0.02 12.3	1.50±0.04 0.09 5.8
Spring 100's 100 mm filter menthol soft pack	$\bar{X}$ s CV	2.17±0.03 0.06 3.0	0.125±0.002 0.004 3.2	2.07±0.06 0.13 6.3	0.33±0.02 0.03 10.5	2.62±0.04 0.09 3.4

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Source: https://www.industrydocuments.ucsf.edu/docs/zfbl0001

Brands		Tar mg/puff	Nicotine mg/puff	CO mg/puff	Water mg/puff	TPM mg/puff
St. Moritz 100 mm filter soft pack	$\bar{X}$ s CV	1.68±0.05 0.12 7.0	0.123±0.003 0.007 6.0	1.76±0.07 0.16 9.0	0.24±0.02 0.04 16.9	2.04±0.07 0.15 7.2
St. Moritz 100 mm filter menthol soft pack	$\bar{X}$ s CV	1.70±0.04 0.09 5.0	0.125±0.003 0.006 4.9	1.75±0.05 0.12 6.9	0.25±0.02 0.05 18.4	2.07±0.06 0.12 6.0
Stride king size filter soft pack	$\bar{X}$ s CV	1.84±0.03 0.07 3.9	0.126±0.002 0.004 3.0	1.83±0.04 0.10 5.5	0.32±0.02 0.05 15.3	2.29±0.05 0.11 5.0
Stride 100's 100 mm filter soft pack	$\bar{X}$ s CV	1.64±0.03 0.07 4.5	0.121±0.003 0.006 5.0	1.68±0.05 0.12 6.9	0.22±0.01 0.03 13.3	1.98±0.04 0.09 4.6
Stride 100's 100 mm filter menthol soft pack	$\bar{X}$ s CV	1.64±0.03 0.06 3.5	0.119±0.002 0.005 4.3	1.59±0.04 0.09 5.6	0.21±0.01 0.02 9.3	1.97±0.03 0.07 3.7
Tall 120s 120 mm filter soft pack	$\bar{X}$ s CV	1.30±0.03 0.07 5.3	0.101±0.002 0.005 4.5	1.40±0.04 0.08 5.9	0.13±0.01 0.02 11.7	1.53±0.04 0.08 5.3
Tall 120s 120 mm filter menthol soft pack	$\bar{X}$ s CV	1.17±0.03 0.08 6.5	0.096±0.002 0.004 4.5	1.22±0.04 0.08 6.9	0.12±0.01 0.01 9.7	1.38±0.04 0.09 6.2
Tareyton king size filter soft pack	$\bar{X}$ s CV	1.78±0.03 0.06 3.3	0.115±0.002 0.005 4.2	2.06±0.05 0.10 5.1	0.44±0.02 0.04 8.9	2.34±0.04 0.09 3.7

PM3000762416

Source: https://www.industrydocuments.ucsf.edu/docs/zfbl0001

Brands		Tar mg/puff	Nicotine mg/puff	CO mg/puff	Water mg/puff	TPM mg/puff
Tareyton 100's 100 mm filter soft pack	$\bar{X}$ s CV	1.57±0.02 0.05 3.4	0.107±0.002 0.005 4.7	1.96±0.04 0.10 4.9	0.25±0.02 0.03 13.8	1.93±0.03 0.08 4.1
Tareyton Lights king size filter soft pack	$\bar{X}$ s CV	0.72±0.02 0.05 6.5	0.058±0.002 0.004 7.2	0.83±0.03 0.07 8.2	0.07±0.003 0.01 11.4	0.85±0.02 0.05 6.4
Tareyton Long Lights 100 mm filter soft pack	$\bar{X}$ s CV	0.80±0.02 0.04 5.0	0.066±0.002 0.004 5.8	0.90±0.03 0.07 7.4	0.07±0.004 0.01 11.0	0.94±0.02 0.05 5.3
Triumph king size filter soft pack	$\bar{X}$ s CV	0.51±0.04 0.09 17.8	0.055±0.003 0.007 13.3	0.67±0.05 0.12 17.4	0.04±0.01 0.01 29.0	0.61±0.05 0.11 17.7
Triumph king size filter menthol soft pack	$\bar{X}$ s CV	0.50±0.03 0.07 13.5	0.054±0.003 0.006 10.8	0.63±0.04 0.09 14.5	0.04±0.005 0.01 24.6	0.59±0.04 0.08 13.5
Triumph 100s 100 mm filter soft pack	$\bar{X}$ s CV	0.51±0.03 0.06 11.4	0.056±0.002 0.005 9.3	0.69±0.04 0.09 12.7	0.04±0.004 0.01 21.4	0.61±0.03 0.07 11.5
Triumph 100s 100 mm filter menthol soft pack	$\bar{X}$ s CV	0.52±0.03 0.07 12.6	0.056±0.003 0.007 12.6	0.72±0.04 0.08 11.4	0.04±0.003 0.01 17.6	0.62±0.03 0.08 12.2
True king size filter soft pack	$\bar{X}$ s CV	0.61±0.04 0.09 15.7	0.058±0.004 0.008 14.3	0.59±0.03 0.07 12.2	0.06±0.01 0.01 22.7	0.73±0.05 0.12 16.0

PM3000762417

Source: https://www.industrydocuments.ucsf.edu/docs/zfbl0001

Brands		Tar mg/puff	Nicotine mg/puff	CO mg/puff	Water mg/puff	TPM mg/puff
True king size filter menthol soft pack	$\bar{X}$	0.57±0.07	0.054±0.005	0.59±0.05	0.06±0.01	0.69±0.09
	s	0.15	0.012	0.11	0.03	0.19
	CV	27.1	22.1	19.0	49.2	28.3
True 100's 100 mm filter soft pack	$\bar{X}$	0.87±0.04	0.078±0.003	0.85±0.04	0.09±0.01	1.04±0.05
	s	0.09	0.007	0.10	0.01	0.11
	CV	10.8	9.4	11.9	16.5	11.0
True 100's 100 mm filter menthol soft pack	$\bar{X}$	0.89±0.06	0.078±0.004	0.92±0.06	0.09±0.01	1.06±0.07
	s	0.12	0.008	0.14	0.02	0.15
	CV	13.8	10.9	14.9	25.9	14.5
True Gold king size filter soft pack	$\bar{X}$	1.31±0.03	0.101±0.002	1.65±0.04	0.14±0.01	1.56±0.03
	s	0.06	0.005	0.09	0.01	0.08
	CV	4.7	5.4	5.5	10.3	4.9
True Gold 100 mm filter hard pack	$\bar{X}$	1.36±0.02	0.104±0.001	1.86±0.05	0.14±0.005	1.61±0.03
	s	0.06	0.003	0.11	0.01	0.06
	CV	4.1	3.0	6.0	7.6	3.7
True Gold 100 mm filter soft pack	$\bar{X}$	1.34±0.03	0.100±0.002	1.81±0.06	0.14±0.01	1.58±0.04
	s	0.08	0.005	0.13	0.02	0.09
	CV	5.7	4.6	7.0	11.5	6.0
Vantage king size filter soft pack	$\bar{X}$	1.13±0.03	0.080±0.002	1.62±0.04	0.13±0.01	1.34±0.03
	s	0.06	0.004	0.09	0.01	0.07
	CV	5.3	5.5	5.4	9.3	5.5
Vantage king size filter menthol soft pack	$\bar{X}$	1.16±0.03	0.082±0.002	1.46±0.04	0.11±0.01	1.35±0.03
	s	0.06	0.004	0.09	0.01	0.07
	CV	4.9	4.4	6.3	10.8	5.1

PM3000762418

Source: https://www.industrydocuments.ucsf.edu/docs/zfbl0001

Brands		Tar mg/puff	Nicotine mg/puff	CO mg/puff	Water mg/puff	TPM mg/puff
Vantage 100s 100 mm filter soft pack	$\bar{X}$ s CV	0.95±0.02 0.04 4.0	0.067±0.001 0.003 4.2	1.28±0.03 0.06 4.7	0.09±0.004 0.01 8.6	1.12±0.02 0.05 4.1
Vantage 100s 100 mm filter menthol soft pack	$\bar{X}$ s CV	0.94±0.02 0.05 5.0	0.067±0.002 0.004 6.0	1.27±0.03 0.06 4.8	0.10±0.01 0.01 12.3	1.10±0.02 0.05 4.6
Vantage Ultra Lights king size filter soft pack	$\bar{X}$ s CV	0.74±0.02 0.04 5.9	0.061±0.002 0.003 5.6	1.12±0.03 0.07 5.8	0.07±0.002 0.01 7.6	0.87±0.02 0.05 5.4
Vantage Ultra Lights king size filter menthol soft pack	$\bar{X}$ s CV	0.60±0.02 0.04 6.6	0.047±0.003 0.006 12.8	0.87±0.03 0.07 8.4	0.06±0.004 0.01 14.2	0.70±0.02 0.05 6.4
Vantage Ultra Lights 100s 100 mm filter soft pack	$\bar{X}$ s CV	0.53±0.01 0.03 5.9	0.044±0.001 0.002 5.6	0.86±0.03 0.06 6.7	0.05±0.002 0.004 8.6	0.62±0.02 0.04 5.7
Vantage Ultra Lights 100s 100 mm filter menthol soft pack	$\bar{X}$ s CV	0.58±0.02 0.04 7.3	0.050±0.002 0.005 9.1	0.95±0.04 0.08 8.3	0.05±0.003 0.01 13.0	0.68±0.02 0.05 7.1
Viceroy king size filter soft pack	$\bar{X}$ s CV	2.20±0.04 0.09 4.0	0.131±0.003 0.006 4.6	2.04±0.04 0.08 4.1	0.50±0.03 0.08 15.6	2.83±0.07 0.16 5.5
Viceroy Lights king size filter soft pack	$\bar{X}$ s CV	1.42±0.03 0.06 4.2	0.097±0.003 0.006 6.2	1.75±0.04 0.10 5.5	0.17±0.01 0.02 11.3	1.69±0.03 0.07 4.1

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Brands		Tar mg/puff	Nicotine mg/puff	CO mg/puff	Water mg/puff	TPM mg/puff
Viceroy Lights 100's 100 mm filter soft pack	$\bar{X}$ s CV	1.30±0.03 0.06 4.9	0.092±0.002 0.005 5.2	1.65±0.05 0.12 7.0	0.13±0.01 0.02 13.2	1.53±0.03 0.07 4.7
Viceroy Super Long 100's 100 mm filter soft pack	$\bar{X}$ s CV	1.84±0.03 0.06 3.3	0.121±0.002 0.005 4.0	1.71±0.03 0.08 4.5	0.25±0.01 0.03 12.4	2.21±0.04 0.08 3.7
Virginia Slims 100 mm filter soft pack	$\bar{X}$ s CV	1.62±0.03 0.07 4.2	0.106±0.002 0.004 4.2	1.48±0.03 0.07 4.8	0.20±0.01 0.03 14.0	1.93±0.04 0.09 4.7
Virginia Slims 100 mm filter menthol soft pack	$\bar{X}$ s CV	1.63±0.03 0.07 4.1	0.106±0.003 0.006 5.8	1.47±0.04 0.08 5.5	0.20±0.01 0.02 9.7	1.93±0.04 0.08 4.4
Virginia Slims Lights 100 mm filter hard pack	$\bar{X}$ s CV	0.92±0.02 0.05 5.9	0.068±0.002 0.004 5.8	0.97±0.03 0.07 6.8	0.09±0.01 0.01 13.1	1.08±0.03 0.07 6.4
Virginia Slims Lights 100 mm filter menthol hard pack	$\bar{X}$ s CV	0.99±0.02 0.05 5.5	0.070±0.002 0.003 4.9	1.08±0.03 0.08 7.2	0.10±0.005 0.01 10.6	1.16±0.03 0.07 5.7
Virginia Slims Lights 120's 120 mm filter hard pack	$\bar{X}$ s CV	1.18±0.03 0.07 6.2	0.081±0.002 0.004 5.5	1.20±0.05 0.11 9.2	0.12±0.01 0.01 11.3	1.38±0.04 0.09 6.3
Virginia Slims Lights 120's 120 mm filter menthol hard pack	$\bar{X}$ s CV	1.16±0.02 0.03 2.9	0.079±0.002 0.004 4.4	1.17±0.03 0.06 5.3	0.12±0.004 0.01 7.7	1.35±0.02 0.04 2.8

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Brands		Tar mg/puff	Nicotine mg/puff	CO mg/puff	Water mg/puff	TPM mg/puff
Winston king size filter hard pack	$\bar{X}$	2.06±0.04	0.127±0.002	1.97±0.05	0.50±0.04	2.68±0.07
	s	0.09	0.005	0.11	0.09	0.17
	CV	4.3	3.6	5.7	17.7	6.2
Winston king size filter soft pack	$\bar{X}$	1.78±0.03	0.116±0.002	1.65±0.04	0.29±0.01	2.19±0.04
	s	0.07	0.005	0.10	0.02	0.08
	CV	4.0	4.3	5.9	7.5	3.8
Winston 100's 100 mm filter soft pack	$\bar{X}$	1.70±0.02	0.103±0.002	1.72±0.03	0.21±0.01	2.02±0.03
	s	0.04	0.004	0.07	0.03	0.06
	CV	2.5	4.1	4.2	12.3	2.9
Winston Lights king size filter hard pack	$\bar{X}$	1.33±0.02	0.087±0.002	1.56±0.04	0.16±0.02	1.58±0.04
	s	0.05	0.004	0.08	0.03	0.08
	CV	3.9	4.6	5.2	20.9	5.3
Winston Lights king size filter soft pack	$\bar{X}$	1.28±0.02	0.091±0.001	1.53±0.04	0.14±0.01	1.51±0.02
	s	0.04	0.003	0.08	0.01	0.05
	CV	3.2	3.3	5.3	10.5	3.5
Winston Lights 100's 100 mm filter soft pack	$\bar{X}$	1.13±0.02	0.079±0.002	1.30±0.03	0.12±0.003	1.32±0.03
	s	0.05	0.004	0.07	0.01	0.06
	CV	4.7	4.8	5.7	6.4	4.5
Winston Ultra Lights king size filter soft pack	$\bar{X}$	0.74±0.03	0.061±0.001	1.16±0.03	0.07±0.01	0.86±0.03
	s	0.06	0.003	0.07	0.01	0.06
	CV	7.6	5.2	6.0	18.0	7.4
Winston Ultra Lights 100's 100 mm filter soft pack	$\bar{X}$	0.58±0.01	0.048±0.001	0.95±0.02	0.05±0.002	0.68±0.02
	s	0.03	0.003	0.05	0.01	0.03
	CV	5.0	6.6	5.6	9.9	5.0

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Butt Length

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Brand	Butt Length
Alpine KFMSP	27,28,29 $\bar{x} = 25$
Astor KFHP	28,29
Astor 100's 100FHP	37
Astor 100's 100FMHP	37
Belair KFMSP	32,33
Belair 100's 100FMSP	39,40
Benson & Hedges RFHP	33,34
Benson & Hedges KFHP	33,34
Benson & Hedges 100's 100FHP	34,35,36
Benson & Hedges 100's 100FMHP	35,36
Benson & Hedges 100's 100FSP	34,35,36
Benson & Hedges 100's 100FMSP	34,35,36,37
B&H Deluxe Lights 100's 100FHP	38,39
B&H Deluxe Lights 100's 100FMHP	39,40
B&H Deluxe Ultra Lights 100's 100FHP	37,38,39,40,41
B&H Deluxe Ultra Lights 100's 100FMHP	38,39,40
Benson & Hedges Lights 100's 100FSP	38,39,40
Benson & Hedges Lights 100's 100FMSP	38,39
Benson & Hedges Multifilter KFSP	33,34
Benson & Hedges Multifilter KFMSP	32,33
Bright KFMSP	34,35
Bright 100s 100FMSP	38
Bull Durham KFSP	27,28
Cambridge KFHP	39,40,41
Cambridge KFSP	35,36
Cambridge 100's 100FSP	38,39,40,41
Camel RNFSP	23
Camel Filters KFHP	26
Camel Filters KFSP	27,28,29
Camel Lights KFHP	30,31
Camel Lights KFSP	33,34,35
Camel Lights 100's 100FSP	37,38,39
Carlton KFHP	37,38,39,40
Carlton KFSP	32,33,34
Carlton KFMSP	33
Carlton 100's 100FHP	37,38,39
Carlton 100's 100FMHP	37,38,39
Carlton 100's 100FSP	34,35,36
Carlton 100's 100FMSP	33,34,35,36,37
Carlton 120's 120FSP	37,38,39
Carlton 120's 120FMSP	37,38,39
Carlton Slims 100's 100FHP	38,39,40
Carlton Slims 100's 100FMHP	38,39
Century (25) KFSP	29,30,31
Century 100's (25) 100FSP	37,38,39
Century Lights (25) KFSP	33,34,35
Century Lights 100's (25) 100FSP	38,39
Century Lights 100's (25) 100FMSP	38
Chesterfield RNFSP	23
Chesterfield KNFSP	23
Concord (Open) KFMSP	35,36

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Brand	Butt Length
Concord (Close) KFMSP	35,36
Dorado KFSP	33,34
Doral Filter Lights KFSP	34,35
Doral Filter Lights KFMSP	34,35
Doral 100's Filter Lights 100FSP	38,39
Doral 100's Filter Lights 100FMSP	38,39
Dunhill Deluxe Lights Kings KFHP	34,35
Dunhill Deluxe Lights 100's 100FHP	38,38,40
English Ovals RNFHP	23
English Ovals KNFHP	23
Eve Slim Lights 100's 100FHP	37,38,39
Eve Slim Lights 100's 100FMHP	37,38,39
Eve Lights 120's 120FHP	38,39
Eve Lights 120's 120FMHP	38,39
Fiesta KFSP	28
Galaxy KFSP	32,33,34,35
Half & Half KFSP	27,28
Herbert Tareyton KNFSP	23
Iceberg 100's 100FMSP	34,35,36,37
Kent Micronite II KFHP	28,29,30
Kent Micronite II KFSP	28,29,30
Kent Micronite II 100s 100FSP	34,35,36
Kent Micronite II 100s 100FMSP	34,35,36
Kent Golden Lights KFHP	32,33,34
Kent Golden Lights KFSP	34,35,36
Kent Golden Lights KFMSP	33,34,35,36,37
Kent Golden Lights 100s 100FHP	37,38
Kent Golden Lights 100s 100FSP	36,37,38,39
Kent Golden Lights 100s 100FMSP	37,38,39
Kent III KFSP	34,35,36
Kent III 100s 100FHP	37,38,39
Kent III 100s 100FSP	37,38,39
Kool RNFMSP	23
Kool KFMHP	26
Kool KFMSP	29
Kool (25) KFMSP	28,29
Kool Lights KFMSP	32,33,34
Kool Lights 100's 100FMSP	38,39,40
Kool Milds KFMSP	33,34,35,36
Kool Milds (25) KFMSP	34,35,36,37
Kool Milds 100's 100FMSP	38,39,40
Kool Super Longs 100's 100FMSP	34,35,36
Kool Ultra KFMSP	34,35,36
Kool Ultra 100's 100FMSP	39,40
L & M KFHP	28,29,30
L & M KFSP	32,33,34
L & M Lights KFSP	32,33,34
L & M Long Lights 100FSP	38,39,40
L & M Super Kings 100FSP	38,39
Lark KFSP	32,33,34
Lark 100FSP	37,38,39,40

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Brand	Butt Length
Lark Lights KFSP	33,34
Lark Lights 100's 100FSP	38,39
Lucky Strike RNFSP	23
Lucky Strike KFHP	32,33,34
Lucky Strike KFSP	32,33,34
Lucky Strike Filters 100's 100FSP	35,36
Lucky Strike Menthol 100's 100FMSP	35,36
Lucky Strike Lights KFSP	32,33,34
Lucky Strike Lights 100's 100FSP	34,35,36
23 Marlboro KFHP	26,27
25 Marlboro KFSP	24,25,26 $\bar{x}$25 tipping
25 Marlboro 25's KFSP	27,28,29 $\bar{x}$25 butt
Marlboro KFMSP	28
Marlboro 100's 100FHP	34,35
Marlboro 100's 100FSP	34,35
Marlboro Lights KFHP	33,34,35
Marlboro Lights KFSP	33,34
Marlboro Lights 25's KFSP	33,34,35
Marlboro Lights 100's 100FSP	37,38,39
Max 120s 120FSP	37,38,39,40
Max 120s 120FMSP	38,39
Merit KFHP	35,36
32 Merit KFSP	34,35,36
Merit KFMSP	33,34,35,36
Merit 100's 100FSP	33,34,35
Merit 100's 100FMSP	39,40
Merit Ultra Lights KFSP	35,36
Merit Ultra Lights KFMSP	33,34,35
Merit Ultra Lights 100's 100FSP	38,39,40
Merit Ultra Lights 100's 100FMSP	38,39,40
Montclair KFMSP	26,27,28
More 120s 120FSP	41,42,43
More 120s 120FMSP	41,42,43
More Lights 100s 100FHP	37,38
More Lights 100s 100FMHP	38
Newport KFMHP	28,29
Newport KFMSP	27,28,29,30
Newport (25) KFMSP	28,29
Newport 100's 100FMHP	34,35,36
Newport 100's 100FMSP	34,35,36
Newport 100's (25) 100FMSP	28,29
Newport Lights KFMHP	33,34,35
Newport Lights KFMSP	33,34,35,36,37
Newport Lights 100's 100FMHP	38,39
Newport Lights 100's 100FMSP	37,38,39
Now KFHP	34,35
Now KFSP	33,34,35
Now KFMSP	33,34,35,37,38
Now 100s 100FHP	38,39
Now 100s 100FSP	37,38,39
Now 100s 100FMSP	38,39

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Brand	Butt Length
Old Gold Straights KNFSP	23
Old Gold Filters KFSP	27,28,29
Old Gold Filter 100's 100FSP	34,35,36
Old Gold Lights KFSP	38,39
Old Gold Lights 100s 100FSP	34,35,36
Pall Mall KNFSP	23
Pall Mall KFSP	26,27
Pall Mall 100's 100FSP	34,35,36
Pall Mall Extra Light KFSP	32,33
Pall Mall Light 100's 100FSP	37,38,39
Pall Mall Light 100's 100FMSP	35,36
Parliament Lights KFHP	32,33,34
Parliament Lights KFSP	32,33,34
Parliament Lights 100's 100FSP	38,39,40
Philip Morris RNFSP	23
Philip Morris Commander KNFSP	23
Philip Morris International 100FHP	35
Philip Morris International 100FMHP	35
Picayune RNFSP	25
Players RNFHP	23
Players KFHP	34,35,36
Players KFMHP	35
Players 100's 100FHP	39,40
Players 100's 100FMHP	38,39,40
Players Lights 25's KFSP	34,35
Players Lights 25's KFMSP	34,35
Players 25's Lights 100's 100FSP	39,40
Players 25's Lights 100's 100FMSP	38,39,40
Raleigh Con Filtro RFSP	26
Raleigh KNFSP	23
Raleigh KFSP	29,30
Raleigh 100's 100FSP	34,35
Raleigh Lights KFSP	32,33,34,35,36
Raleigh Lights 100's 100FSP	38,39,40,41
Richland (25) KFSP	33,34,35
Richland (25) KFMSP	28,29
Richland Lights (25) KFSP	35,36
Ritz 100FHP	37,38
Ritz 100FMHP	38,39
Salem KFMHP	26,27
Salem KFMSP	38,39
Salem 100's 100FMSP	35
Salem Lights KFMSP	33,34,35
Salem Lights 100's 100FMSP	37,38,39
Salem Slim Lights 100's 100FMHP	38
Salem Ultra Lights KFMSP	34,35
Salem Ultra Lights 100's 100FMSP	35,36,37,38,39,40,41
Saratoga 120's 120FHP	37,38,39
Saratoga 120's 120FMHP	37,38,39
Satin 100's 100FSP	34,35,36
Satin 100's 100FMSP	33,34,35,36,37

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Brand	Butt Length
Silva Thins 100FHP	38,39,40
Silva Thins 100FSP	34,35,36,37
Silva Thins 100FMSP	34,35,36,37
Spring 100's 100FMSP	34,35,36
St. Moritz 100FSP	35,36,37,38
St. Moritz 100FMSP	34,35,36,38,39
Stride KFSP	32,33,34
Stride 100's 100FSP	37,38,38
Stride 100's 100FMSP	37,38,39,40,41
Tall 120s 120FSP	38,39
Tall 120s 120FMSP	37,38,39,40
Tareyton KFSP	26,27,28
Tareyton 100's 100FSP	34,35,36
Tareyton Lights KFSP	35,36
Tareyton Long Lights 100FSP	34,35,36
Triumph KFSP	34,35,36
Triumph KFMSP	34,35,36
Triumph 100s 100FSP	37,38,39
Triumph 100s 100FMSP	38,39
True KFSP	32,33,34
True KFMSP	32,33,34
True 100's 100FSP	34,35,36
True 100's 100FMSP	34,35,36
True Gold KFSP	34,35,36
True Gold 100FHP	37,38,39
True Gold 100FSP	36,37,38,39
Vantage KFSP	32,33,34
Vantage KFMSP	33,34
Vantage 100s 100FSP	36,37,38
Vantage 100s 100FMSP	37,38,39,40
Vantage Ultra Lights KFSP	33,34,35
Vantage Ultra Lights KFMSP	33,34,35
Vantage Ultra Lights 100s 100FSP	37,38,39
Vantage Ultra Lights 100s 100FMSP	37,38,39
Viceroy KFSP	28,29
Viceroy Lights KFSP	33,34,35,36
Viceroy Lights 100's 100FSP	39,40
Viceroy Super Long 100's 100FSP	35,36
Virginia Slims 100FSP	35,36
Virginia Slims 100FMSP	34,35,36
Virginia Slims Lights 100FHP	38,39,40
Virginia Slims Lights 100FMHP	38,39,40
Virginia Slims Lights 120's 120FHP	38,39,40
Virginia Slims Lights 120's 120FMHP	38,39,40
15 Winston KFHP	25,26,27
25 Winston KFSP	28,29
Winston 100's 100FSP	35
Winston Lights KFHP	30
Winston Lights KFSP	34,35
Winston Lights 100's 100FSP	36,37,38,39
Winston Ultra Lights KFSP	34,35
Winston Ultra Lights 100's 100FSP	37,38

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